

LICHENES EXOTICOS

A PROFESSORE W. NYLANDER DESCRIPTOS VEL RECOGNITOS

ET IN HERBARIO MUSEI PARIENSIS PRO MAXIMA PARTE ASSERVATOS
IN ORDINE SYSTEMATICO DISPOSUIT

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ROTHOMAGENSIS SACERDOS.

Suite et fin (1).

Series IX. — PYRENODEI.

TRIB. XXXI. — PYRENOCARPEI.

Subtrib. I. — **Eupyrenocarpei.**

Sectio I. — GENERA QUORUM THALLUS EST GONIMICUS, Nyl. in *Flora* 1885, p. 449.

I. — **Corei.**

Gen. CXIX. — CORA Fr.

3186. **C. Pavonia** Fr., Nyl. *Syn.* II, p. 49 et tab. IX, fig. 35, *Addit. Fl. chil.* p. 151, *Lich. And. Boliv.* p. 382 et *Prodr. Fl. N. Gran.* ed. 2^a p. 113, ubi definitur; *Enum. Lich.* p. 110. — *Thelephora Pavonia* Web. — *Cora gyrolophia* Fr., Nyl. *Addit. Fl. chil.* p. 182, nam omnes *Coras* ad unam speciem jungere fas est, sicut dicitur in *Essai d'une nouv. Classif. des Lich.* (2^e Mém. 1855) p. 176 in notula. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 73 et ed. 2^a p. 113; Bolivia, ubi fertilis lecta fuit; Peruvia, *Lich. exot.* p. 218). — In Oceania (ins. Taiti, *Lich. exot.* p. 240).

II. — **Dichonemei.**

Gen. CXX. — DICHONEMA Nees.

3187. **D. sericeum** Nyl. *Syn.* II, p. 51, tab. IX, fig. 36, et *Syn. Lich. N. Caled.* p. 83, ubi definitur; *Enum. Lich.* p. 110. — *Thelephora sericea* Sw. — *Dictyonema sericeum* Berk. = In Africa orientali (ins. Borbonia, *Lich. exot.* p. 257). — In America tropica

(1) Voir t. II, p. 209 et t. III, p. 33 de la 3^e série de ce recueil.

(Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 73 in notula et ed. 2^a p. 113; Peruvia, *Flora* 1835, p. 674, et *Lich. exot.* p. 218). — In Oceania (ins. Taïti, *Lich. exot.* p. 240; Nova Caledonia, *Exposit. Lich. N. Caled.* p. 44 et *Flora* 1867, p. 196).

3188. **Dichonema irpicinum** Nyl. *Syn.* II, p. 51, ubi definitur; *D. sericeum* var *irpicinum* Nyl. *Syn. Lich. N. Caled.* p. 83, ubi etiam definitur. — *Dictyonema irpicinum* Mont. *Sylog.* p. 179. = In Oceania (ins. Java, *Flora* 1866, p. 131; ins. Taïti, *Lich. exot.* p. 240, ubi definitur; Nova Caledonia *Flora* 1867, p. 196).

Sectio II. — GENERA QUORUM THALLUS EST GONIDICUS VEL GONIDIMICUS.

Gen. CXXI. — THELOCARPON Nyl.

3189. **Th. majusculum** Nyl. in *Flora* 1885, p. 300, ubi definitur. = In America boreali (Illinois).

Gen. CXXII. — THELOCOCUM Nyl. in *Flora* 1873, p. 289, et 1885, p. 45.

3190. **Th. albidum** Nyl.; *Thelocarpon albidum* Nyl. *Lich. algeriens.* p. 317, *Lich. Algér.* p. 338, *Prodr. Lich. Gall.* p. 173 et *Pyrenoc.* p. 9, ubi definitur; *Enum. Lich.* p. 135. = In Africa boreali (Algeria).

Gen. CXXIII. — NORMANDINA Nyl.

3191. **N. pulchella** Nyl. *Lich. And. Boliv.* p. 382. — *Verrucaria pulchella* Borr. — *Lenormandia Jungermanniæ* Del. — *Normandina Jungermanniæ* Nyl. *Pyrenoc.* p. 10, *Prodr. Lich. Gall.* p. 173 et *Addit. Fl. chil.* p. 151, ubi definitur; *Enum. Lich.* p. 135. = In Asia orientali (Japonia, *Lich. Jap.* p. 88). — In Africa boreali (Algeria, *Lich. And. Boliv.* p. 367 in notula) et meridionali (Portu Natali, *Lich. Port. Natal* p. 14). — In America tropica (Mexico, *Flora* 1858, p. 381, et *Mexic. Plant.* p. 6; ins. Guadalupa, *Lich. Antill.* p. 22; Nova Granata, *Flora* 1864, p. 618, sed in *Prodr. Fl. N. Gran.* ed. 1^a p. 73 in notula et ed. 2^a p. 113 indicatur non in hac regione, sed in Mexico et in Bolivia; Bolivia, *Lich. And. Boliv.* p. 382). — In Oceania (Nova Zelandia, *Lich. N. Zeland.* 1888, p. 127). — Etiam in Europa.

3192. **N. viridis** Nyl. *Pyrenoc.* p. 11 et *Prodr. Lich. Gall.* p. 174, ubi definitur; *Enum. Lich.* p. 135. — *Endocarpon viride* Ach. *Syn. Lich.* p. 100. = In Asia orientali (China, prov. Yun-nan, *N. Davidis* Hue *Lich. Yunn.* II, p. 43, specimen quod cel. Nylander primum novam speciem habuerat et quod in *Lich. Jap.* p. 88 in notula ad *N. viridem* Nyl. retulit). — In America boreali. — Etiam in Europa.

Gen. CXXIV. — ENDOCARPON Hedw.

Pars I. — *Species quarum sporæ sunt simplices et incolores.*

A. — *Thallus peltatus et in plurimis umbilicato-adfixus.*

3193. **E. miniatum** Ach. *Syn. Lich.* p. 101, Nyl. *Pyrenoc.* p. 11 et *Lich. Scand.* p. 264, ubi definitur; *Enum. Lich.* p. 135. = In Africa boreali (Algeria, *Lich. Algér.* p. 316 et *Prodr. Lich. Gall.* p. 174) et in aliis regionibus. — In America boreali. — Etiam in Europa.

— Var. **complicatum** Nyl. *Pyrenoc.* et *Lich. Scand.* locis citat., ubi definitur; *Enum. Lich.* p. 135. = In Africa boreali (Algeria, *Flora* 1878, p. 345). — Etiam in Europa.

3194. * **Endocarpon Muehlenbergii** Ach. *Syn. Lich.* p. 101, *Nyl. Pyrenoc.* p. 12, ubi definitur; *Enum. Lich.* p. 135. = In America boreali.

3195. ** **E. solstitiale** Hochst., *Nyl. Pyrenoc.* p. 12, vix a præcedente differt. = In Africa orientali (Abyssinia).

3196. *** **E. Manitense** Tuck., *Nyl. Pyrenoc.* p. 12, ubi definitur. = In America boreali.

3197. **E. fluviatile** DC. *Fl. fr.* II, p. 413, *Nyl. Pyrenoc.* p. 12 et *Lich. Scand.* p. 265, ubi definitur; *Enum. Lich.* p. 135. = In America boreali. — In Oceania (Nova Zelandia, *Lich. N. Zeland.* 1888, p. 126). — Etiam in Europa.

3198. **E. Moulinsii** Mont. *Sylog.* p. 359, *Nyl. Pyrenoc.* p. 13 et *Prodr. Lich. Gall.* p. 175, ubi definitur; *Enum. Lich.* p. 135. = In Asia (mont. Himalaya). — In America septentrionali (Texas). — Etiam in Europa (Gallia).

3199. **E. corniculatum** *Nyl. Pyrenoc.* p. 13, ubi definitur; *Enum. Lich.* p. 135. = In Africa (Abyssinia).

3200. **E. ? fragile** Tayl., *Nyl. Pyrenoc.* p. 14, ubi definitur; *Enum. Lich.* p. 135. = In Oceania (Tasmania).

B. — *Thallus minor, plerumque totus adnatus vel saltem non umbilicato-adfixus.*

3201. **E. Tuckermani** Ravenel, *Nyl. Pyrenoc.* p. 14, ubi definitur; *Enum. Lich.* p. 135. = In America septentrionali (Carolina meridionali et Texas).

3202. **E. rufescens** Ach. *Syn. Lich.* p. 100, *Nyl. Pyrenoc.* p. 14 et *Lich. Scand.* p. 265, ubi definitur; *Enum. Lich.* p. 135. = In Africa boreali (Algeria, *Lich. Algér.* p. 316 et *Prodr. Lich. Gall.* p. 175; Ægypto, *Lich. Ægypt.* p. 75). — In America boreali, et forsitan *E. arboreum* Tuck. e Nova Anglia, ad hanc speciem pro una parte est referendum, et pro altera parte ad præcedentem pertinet. — Etiam in Europa.

3203. **E. hepaticum** Ach. *Lichenogr. univers.* p. 298, *Nyl. Pyrenoc.* p. 15, *Lich. Scand.* p. 265 et *Syn.* I, tab. I, fig. 7, ubi definitur; *Enum. Lich.* p. 135. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 25). — In Africa boreali (Algeria, *Lich. Algér.* p. 316, *Prodr. Lich. Gall.* p. 176, et ibi etiam definitur, *Flora* 1878, p. 341; Ægypto, *Lich. Ægypt.* p. 7) et meridionali (promont. Bonæ Spei). — In America boreali. — In Oceania (Nova Zelandia, *Lich. N. Zeland.* 1888, p. 127). — Etiam in Europa.

— Var. 1. **albatum** *Nyl. Pyrenoc.* p. 15; *E. albatum* Ach. *Syn. Lich.* p. 98. Est *E. hepaticum* in locis umbrosis pallidum evadens. = In Asia Minori (Syria).

— Var. 2. **lachneum** *Nyl.* in *Flora* 1878, p. 343; *E. lachneum* Ach. *Syn. Lich.* p. 99, *Nyl. Pyrenoc.* p. 15, ubi cum *E. hepatico* Ach. jungitur, et in *Flora* 1860, p. 546, ad *E. rufescentem* Ach. refertur. = In Africa boreali (Algeria). — Etiam in Europa.

3204. **E. contumescens** *Nyl.* in *Flora* 1878, p. 341, ubi definitur. = In Africa boreali (Algeria).

3205. **E. rufo-pallens** *Nyl.* in *Flora* 1878, p. 343, ubi definitur. = In Africa boreali (Algeria).

3206. **E. imbricatum** *Nyl. Pyrenoc.* p. 15 et *Prodr. Lich. Gall.* p. 176, ubi definitur; *Enum. Lich.* p. 136. = In Africa boreali (Algeria). — Etiam in Europa (Gallia meridionali).

3207. **E. botularium** *Nyl.* in *Flora* 1862, p. 83, ubi definitur. = In America boreali (Groenlandia).

3208. **E. tenellum** *Nyl. Lich. algeriens.* p. 316, *Lich. Algér.* p. 339, *Prodr. Lich. Gall.* p. 176 et *Pyrenoc.* p. 16, ubi definitur; *Enum. Lich.* p. 136. = In Africa boreali (Algeria).

3209. **E. peltatum** Tayl., *Nyl. Pyrenoc.* p. 16, ubi definitur; *Enum. Lich.* p. 136. = In Africa meridionali (promont. Bonæ Spei).

3210. **Endocarpon tephroides** Ach. *Syn. Lich.* p. 98. — *Verrucaria tephroides* Nyl. *Pyrenoc.* p. 17 et *Lich. Scand.* p. 267, ubi definitur; *Enum. Lich.* p. 136. = In Asia boreali (Kony-ambay, *Lich. Fr. Behr.*, p. 25). — In America boreali. — Etiam in Europa.

3211. **E. perumbratum** Nyl. — *Verrucaria perumbrata* Nyl. in *Flora* 1878, p. 343, ubi definitur. = In Africa boreali (Algeria).

3212. **E. subcrustosum** Nyl.; *E. cinerascens* var. *subcrustosum* Nyl. *Lich. Algér.* p. 340, ubi definitur. — *Verrucaria subcrustosa* Nyl. *Pyrenoc.* p. 18 et *Prodr. Lich. Gall.* p. 178, ubi etiam definitur; *Enum. Lich.* p. 136. = In Africa boreali (Algeria) et occidentali (ins. Canariis).

3213. **E. dædaleum** Krempelb. — *Verrucaria dædalea* Nyl. *Lich. Fr. Behr.* p. 25. = In Asia boreali (Konyambay). — Etiam in Europa.

Pars II. — *Species quarum sporæ, 1-2 in thecis, sunt fuscae vel fuscæ et murali-divisæ; spermatia recta arthrosterigmatibus infixa.*

1. — Stirps *Endocarpi pallidi* Nyl.

3214. **E. pallidum** Ach. *Syn. Lich.* p. 100, Nyl. *Lich. Algér.* p. 339, ubi definitur; in *Flora* 1878, p. 341. — *Verrucaria pallida* Nyl. *Lich. Scand.* p. 268, *Prodr. Lich. Gall.* p. 178 et *Pyrenoc.* p. 20, ubi definitur; *Enum. Lich.* p. 136. = In Africa boreali (Algeria). — In America boreali (Nova Anglia) et tropica (Brasilia, *Lich. And. Boliv.* p. 382). — In Oceania (Nova Zelandia, *Lich. N. Zeland.* 1861, p. 259, et 1888, p. 127, ubi sporæ definiuntur). — Etiam in Europa.

3215. **E. Garovaglii** Schær. *Enum. Lich. europ.* p. 234. — *Verrucaria Garovaglii* Mont. *Sylog.* p. 367, Nyl. *Pyrenoc.* p. 20 et *Lich. Angol.* p. 519, ubi definitur; *Enum. Lich.* p. 136. = In Africa occidentali (ins. Angola). — Etiam in Europa.

3216. **E. pallidulum** Nyl. — *Verrucaria pallidula* Nyl. in *Flora* 1874, p. 73 et *Lich. Jap.* p. 88, ubi definitur. = In Asia orientali (Japonia). — In America tropica (Peruvia).

3217. **E. petrolepideum** Nyl. — *Verrucaria petrolepidea* Nyl. *Lich. Jap.* p. 88, ubi definitur. = In Asia orientali (Japonia).

2. — *Pyrenothamnia* Tuck.

3218. **E. Spraguei** Nyl. — *Pyrenothamnia Spraguei* Tuck. *Syn. North Americ. Lich.* II, p. 138. — *Verrucaria Spraguei* Nyl. *Lich. N. Zeland.* 1888, p. 151, ubi definitur. = In America boreali (Washington territorio).

Gen. CXXV. — VERRUCARIA Pers.

Subgen. I. — *Verrucaria* proprie dicta.

Apothecia pyrenio denigrata, saltem superne vel in ostiolo, raro tota pallida, adhuc rarius pyrenio modo superne rufescente; sporæ variæ. Spermatia sterigmatibus vulgo simplicibus adfixa.

I. — *Species potissime saxicolæ vel terrestres.*

1. — Stirps *Verrucariæ umbrinæ* Wahlenb.

Sporæ 1-2 in thecis, fuscæ vel incolores, murali-divisæ; adsunt gonidimia hymenialia; paraphyses nullæ.

3219. **V. umbrina** Wahlenb., Nyl. *Pyrenoc.* p. 21 et *Lich. Scand.* p. 269, ubi definitur;

Enum. Lich. p. 136. = In Asia (mont. Himalaya). — In America boreali. — In Oceania (Nova Zelandia?, *Lich. N. Zeland.* 1888, p. 134). — Etiam in Europa.

— Var. **monospora** Nyl. *Addit. Fl. chil.* p. 175, ubi definitur; *Pyrenoc.* p. 21; *Enum. Lich.* p. 136. = In America meridionali (Chili).

3220. **Verrucaria discedens** Nyl. in *Flora* 1885, p. 602, et *Lich. Fr. Behr.* p. 71, ubi definitur. = In America boreali (Port-Clarence).

3221. **V. subumbrina** Nyl. *Lich. Scand.* p. 269, ubi definitur. = In America boreali (Alaska, *Lich. Fr. Behr.* p. 89, ubi sporæ definiuntur). — Etiam in Europa.

3222. **V. theleodes** Nyl. *Lich. Fr. Behr.* p. 71, ubi sporæ definiuntur; *Lich. Scand.* p. 292. — *Sporodictyon theleodes* Sommerf. = In America boreali (Port-Clarence). — Etiam in Europa.

3223. **V. diffusilis** Nyl. in *Flora* 1884, p. 217, et *Lich. Fr. Behr.* p. 41, ubi definitur. = In Asia boreali (Konyambay).

2. — Stirps *Verrucariæ intercedentis* Nyl.

Sporæ 8^{ae}, incolores vel fuscae, murali-divisæ; gonidimia hymenialia in apotheciis quarundam specierum conspiciuntur; paraphyses nullæ.

3224. **V. obtenta** Nyl. in *Flora* 1885, p. 602, et *Lich. Fr. Behr.* p. 71, ubi definitur. = In America boreali (Port-Clarence).

3225. **V. intercedens** Nyl. *Pyrenoc.* p. 33, *Lich. Scand.* p. 276 et *Lich. Fr. Behr.* pp. 72 et 89, ubi definitur; *Enum. Lich.* p. 137. = In America boreali (Port-Clarence et Alaska). — Etiam in Europa.

— F. 1. **fusco-argillacea** Nyl. *Lich. Fr. Behr.* p. 42, ubi sporæ definiuntur; *V. fusco-argillacea* Anzi *Lich. rarior. Langob.* n° 368. — *Polyblastia fusco-argillacea* Anzi *Symb. Lich. rarior. Ital. superior.* p. 26. = In Asia boreali (Konyambay). — Etiam in Europa.

— F. 2. **integrascens** Nyl. *Lich. Fr. Behr.* p. 42, ubi definitur. = In Asia boreali (Konyambay).

3226. ***V. intermedia** Nyl. *Lich. Fr. Behr.* p. 89, ubi sporæ definiuntur. — *Polyblastia intermedia* Th. Fr. *Polyblast. scandinav.* p. 24. = In America boreali (Alaska). — Etiam in Europa boreali.

3227. **V. interversa** Nyl. in *Flora* 1884, p. 217, et *Lich. Fr. Behr.* p. 40, ubi definitur. = In Asia boreali (Konyambay).

3228. **V. exalbida** Nyl. in *Flora* 1885, p. 603, et *Lich. Fr. Behr.* p. 72, ubi definitur. = In America boreali (Port-Clarence).

3229. **V. bryophila** Nyl. *Lich. Scand.* p. 292. — *Polyblastia bryophila* Lœnnr. in *Flora* 1858, p. 631. = In America boreali (Port-Clarence, *Lich. Fr. Behr.* p. 67, ubi definitur pro parte). — Etiam in Europa boreali.

3230. **V. lactea** Ach. *Lichenogr. univers.* p. 277; Nyl. *Lich. ins. Guin.* p. 51, ubi sporæ definiuntur. = In America septentrionali calida (Florida) et tropica (India occidentali).

3231. **V. elactescens** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 60, ubi definitur. = In Asia orientali (Malacca).

3232. **V. augescens** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 60 et Nyl. *Sert. Lichen. trop. Lab. et Singap.* (1) p. 25, ubi definitur. = In Asia orientali (Singapour).

3233. **V. nigrata** Nyl. *Prodr. Lich. Gall.* p. 184 atque *Pyrenoc.* p. 34 et *Lich. Fr. Behr.* p. 67, ubi definitur; *Enum. Lich.* p. 137; *V. gelatinosa* Nyl. *Collectan. lichenol. in*

(1) *Sertum Lichenæ tropicæ e Labuan et Singapore* conscripsit W. Nylander. Accedunt Observationes. Parisiis 1891.

Gall. merid. et Pyren. p. 16, non Ach. = In America boreali (Port-Clarence). — Etiam in Europa.

3234. **Verrucaria pernigrata** Nyl. in *Flora* 1885, p. 604, et *Lich. Fr. Behr.* p. 67, ubi definitur. = In America boreali (Port-Clarence).

3235. **V. hymenogonia** Nyl. *Pyrenoc.* p. 32 et in *Flora* 1881, p. 540, ubi definitur; *Enum. Lich.* p. 137. = In America boreali (Port-Clarence, *Lich. Fr. Behr.* p. 72). — Etiam in Europa.

3236. **V. subareolata** Nyl. in *Flora* 1884, p. 217, et *Lich. Fr. Behr.* p. 41, ubi definitur. = In Asia boreali (Konyambay).

3237. **V. extabescens** Nyl. in *Flora* 1878, p. 344, ubi definitur. = In Africa boreali (Algeria).

3238. **V. diffractella** Nyl. *Pyrenoc.* p. 33, ubi definitur; *Enum. Lich. Supplém.* p. 337. = In America septentrionali (Nova Anglia).

3239. **V. Sendtneri** Nyl. *Pyrenoc.* p. 33, ubi definitur; *Enum. Lich.* p. 137. — *Polyblastia Sendtneri* Krempelh. in *Flora* 1855, p. 67. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 25). — Etiam in Europa.

3. — Stirps *Verrucariæ pyrenophoræ* Ach.

Sporæ 8^{næ}, incolores, 4-5 septatæ; paraphyses nullæ.

3240. **V. pyrenophora** Ach. *Syn. Lich.* p. 94, Nyl. *Pyrenoc.* p. 26 et *Lich. Scand.* p. 273, ubi definitur; *Enum. Lich.* p. 137. = In America boreali (Port-Clarence, *Lich. Fr. Behr.* p. 72, ubi definitur pro parte). — Etiam in Europa.

3241. **V. Sprucei** Ch. Bab., Leight. *Angiocarp. Lich.* p. 54, tab. XXIII, fig. 4-6; *V. pyrenophora* var. *Sprucei* Nyl. *Pyrenoc.* p. 27 et *Lich. Scand.* p. 273, ubi definitur; *Enum. Lich.* p. 137. = In Africa orientali (Abyssinia). — In America septentrionali. — Etiam in Europa.

3242. **V. Auruntii** Mass. *Geneac. Lich.* p. 221, Nyl. *Lich. Fr. Behr.* p. 72, ubi definitur; *V. incavata* Nyl. *Lich. Scand.* p. 273, ubi definitur. = In America boreali (Port-Clarence). — Etiam in Europa.

3243. **V. pertusura** Nyl. in *Flora* 1884, p. 218, et *Lich. Fr. Behr.* p. 41, ubi definitur. = In Asia boreali (Konyambay).

3244. **V. prævalescens** Nyl. apud Cromb. *Kerguel. land* p. 192, ubi definitur. = In Africa australi (ins. Kerguelen).

3245. **V. calcicola** Nyl. *Lich. N. Zeland.* 1888, p. 127, ubi definitur. = In Oceania (Nova Zelandia).

4. — Stirps *Verrucariæ nigrescentis* Pers.

Sporæ 8^{næ}, incolores, simplices; paraphyses nullæ.

3246. **V. amphibola** Nyl. *Lich. algeriens.* p. 315, *Lich. Algér.* p. 340, *Prodr. Lich. Gall.* p. 180 et *Pyrenoc.* p. 22, ubi definitur; *Enum. Lich.* p. 136. = In Africa boreali (Algeria). — Etiam in Europa.

3247. **V. virens** Nyl. *Pyrenoc.* p. 24 et *Lich. Scand.* p. 270, ubi definitur. = In Europa. — **F. Novæ Angliæ** Nyl. *Pyrenoc.* p. 24, ubi definitur. — *Sagedia Novæ-Angliæ* Tuck. = In America septentrionali.

3248. **V. tessellatula** Nyl. apud Cromb. *Kerguel. land.* p. 191, ubi definitur. = In Africa australi (ins. Kerguelen).

3249. **V. glaucina** Ach. *Syn. Lich.* p. 94, Nyl. in *Flora* 1881, p. 189, ubi sporæ defi-

niuntur. = In Asia orientali (China, Nyl. et Cromb. *Lich. East. Asia* p. 66). — Etiam in Europa.

3250. **Verrucaria fuscella** Ach. *Lichenogr. univers.* p. 289, Nyl. in *Flora* 1881, p. 189 et apud Hue *Addend. Lichenogr. europ.* p. 279, ubi definitur, atque *Lich. Scand.* p. 271; Hepp *Lich. europ.* n° 90. — *Lichen fuscellus* Turn. — *Verrucaria glebulosa* Nyl. *Prodr. Lich. Gall.* p. 180 et *Pyrenoc.* p. 23, ubi definitur, atque *Lich. parisiens.* n° 147. = In Asia orientali (Japonia, *Lich. Jap.* p. 88). — Etiam in Europa.

— Var **nigricans** Nyl. in *Flora* 1881, p. 189, ubi definitur. = In Asia orientali (Japonia, *Lich. Jap.* p. 88, ubi sporæ definiuntur). — Etiam in Europa.

3251. **V. glaucinodes** Nyl. *Lich. Jap.* p. 89, ubi definitur. = In Asia orientali (Japonia).

3252. **V. viridula** Ach. *Lichenogr. univ.* p. 673, Nyl. *Pyrenoc.* p. 23, *Lich. Scand.* p. 271 et *Prodr. Lich. Gall.* p. 181, ubi definitur; *Enum. Lich.* p. 137; *V. nigrescens* var. *viridula* Nyl. *Lich. Algér.* p. 341, ubi definitur. = In Asia orientali (Japonia, *Lich. Jap.* p. 89, ubi sporæ definiuntur). — In Africa boreali (Algeria). — In America boreali (Ohio). — Etiam in Europa.

3253. **V. subfuscella** Nyl. *Lich. Scand.* p. 271, ubi definitur; *V. fuscella* Schær. *Enum. Lich. europ.* p. 215, Nyl. *Pyrenoc.* p. 23 et *Prodr. Lich. Gall.* p. 181, ubi definitur; *V. nigrescens* var. *fuscella* Nyl. *Lich. Algér.* p. 341, ubi definitur. = In Africa boreali (Algeria). — Etiam in Europa.

3254. **V. nigrescens** Pers., Nyl. *Pyrenoc.* p. 23 et *Lich. Scand.* p. 271, ubi definitur; *Enum. Lich.* p. 137. = In Africa boreali (Algeria, *Lich. Algér.* p. 316 et *Prodr. Lich. Gall.* p. 180, *V. conspurcans* Dur. et Mont., Nyl. *Lich. Algér.* p. 342 in notula). — In America boreali. — Etiam in Europa.

— Var. **devians** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 63, ubi definitur. = In Asia orientali (China).

3255. ***V. subnigrescens** Nyl. in litt. ad Stizenb. et apud Stizenb. *Lich. helv.* p. 234, atque apud Lamy *Catal. Lich. Caut. et Lourdes* p. 103. In hoc posteriore opere ponitur errore ut synonymon *V. fusca* Pers. Nyl. *Lich. Pyren.-Orient.* p. 60, nam in hac regione celeb. Nylander veram *V. fuscam* Pers. collegit ut affirmat in pagina 86 operis, desinente anno 1891, editi, cui titulus: *Lichenes Pyrenæorum-Orientalium*, proindeque mensura sporarum in Lamy opere citato est erronea, nam ad *V. fuscam* Pers. pertinet: in *V. subnigrescenti* Nyl. sporæ sunt longit. 0,014-15 et crassit. 0,007 millim. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 42, ubi sporæ definiuntur). — Etiam in Europa.

3256. ****V. fusca** Pers., Nyl. *Lich. Scand.* p. 271, ubi definitur; *Lich. Pyren.-Orient.* p. 60 et *Lich. N. Zeland.* 1888, p. 127, atque apud Hue *Addend. Lichenogr. europ.* p. 276, ubi sporæ definiuntur. = In Oceania (Nova Zelandia). — Etiam in Europa.

3257. **V. obnigrescens** Nyl. in *Flora* 1873, p. 362, et *Lich. Fr. Behr.* p. 72, ubi definitur. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 42). — In America boreali (Port-Clarence). — Etiam in Europa.

3258. **V. obfuscata** Nyl. apud Cromb. *Kerguel. land* p. 191, ubi definitur. = In Africa australi (ins. Kerguelen).

3259. **V. mauroides** Schær. *Enum. Lich. europ.* p. 215, Nyl. in *Flora* 1881, p. 452, ubi pro parte definitur; *V. margacea* f. *mauroides* Nyl. *Lich. Lapp. orient.* p. 169. = In Europa.

— F. **conizodes** Nyl. *Lich. Fr. Behr.* p. 89, ubi definitur. = In America boreali (Alaska).

3260. **V. fuscula** Nyl. *Pyrenoc.* p. 22, ubi definitur; *Enum. Lich.* p. 136. — *Endocarpon areolatum* Nyl. *Lich. algeriens.* p. 316, ubi definitur. — *Verrucaria areolata* Nyl. *Lich. Algér.* p. 340 et *Prodr. Lich. Gall.* p. 180, ubi definitur. = In Africa boreali (Algeria, *Flora* 1878, p. 344, ubi sporæ definiuntur). — Etiam in Europa.

3261. *Verrucaria spodopsara* Nyl. *Quelq. Lich. Algér.* p. 217 et *Lich. Ægypt.* p. 8, ubi definitur. = In Africa boreali (Algeria).

3262. *V. scotinopsara* Nyl. *Quelq. Lich. Algér.* p. 217 et *Lich. Ægypt.* p. 8, ubi definitur. = In Africa boreali (Algeria).

3263. *V. microspora* Nyl. *Pyrenoc.* p. 29 et in *Flora* 1860, p. 83, ubi definitur; *Enum. Lich.* p. 137. = In America boreali (Groenlandia).

— Var. *ecrustacea* Nyl. *Addit. Fl. chil.* p. 173, ubi definitur. = In America meridionali (Chili).

3264. *V. halophila* Nyl. *Lich. Jap.* p. 89, ubi sporæ definiuntur; *V. microspora* f. *halophila* Nyl. *Prodr. Lich. Gall.* p. 183, ubi definitur. = In Asia orientali (Japonia). — Etiam in Europa (Gallia occidentali).

3265. *V. submicrospora* Nyl. *Lich. Jap.* p. 90, ubi definitur. = In Asia orientali (Japonia).

3266. *V. minima* Mass. ex Arn. in Museo parisiensi, Nyl. *Pyrenoc.* p. 25 et *Lich. Jap.* p. 90, ubi definitur; *Enum. Lich.* p. 137. = In Asia orientali (Japonia). — Etiam in Europa (Franconia).

3267. *V. mucosa* Ach. *Syn. Lich.* p. 93, Nyl. *Pyrenoc.* p. 28 et *Lich. Scand.* p. 275, ubi definitur; *Enum. Lich. Supplém.* p. 337. = In Asia boreali (Lawrencebay, *Lich. Fr. Behr.* p. 16). — Etiam in Europa.

3268. *V. ceuthocarpa* Wahlenb. *Flora lappon.* p. 467, Nyl. *Lich. Scand.* p. 274, ubi definitur. = In Asia boreali (Lawrence ins., *Lich. Fr. Behr.* p. 16). — Etiam in Europa.

3269. *V. dermoplaca* Nyl. *Lich. Fueg.* p. 19 et apud Cromb. *Falkl. isl.* p. 234, ubi definitur. = In America australi (ins. Maclovianis).

3270. *V. maura* Wahlenb. *Flora lappon.* p. 466, Nyl. *Pyrenoc.* p. 28 et *Lich. Scand.* p. 273, ubi definitur; *Enum. Lich.* p. 137. = In Asia boreali (Lawrence ins., etc., *Lich. Fr. Behr.* pp. 16, 42 et 51), orientali (Japonia, *Lich. Jap.* p. 89, ubi sporæ definiuntur) et meridionali (India). — In Africa boreali (Algeria, *Lich. Algér.* p. 316, et *Prodr. Lich. Gall.* p. 183). — In America australi (Fuegia, *Lich. Fueg.* p. 19, ubi sporæ denuo definiuntur). — In Oceania (Nova Zelandia?, *Lich. N. Zeland.* 1888, p. 134). — Etiam in Europa.

5. — Stirps *Verrucarix rupestris* Schrad.

3271. *V. rupestris* Schrad. *Spic. Fl. German.* p. 109, tab. II, fig. 7, Nyl. *Pyrenoc.* p. 30 et *Lich. Scand.* p. 275, ubi definitur; *Enum. Lich.* p. 137. = In Africa boreali (Algeria, *Lich. Algér.* p. 316, *Prodr. Lich. Gall.* p. 183, in *Flora* 1878, pp. 341 et 344, atque in hoc posteriore loco sporæ definiuntur). — In America boreali. — Etiam in Europa.

3272. *V. devergescens* Nyl. in *Flora* 1877, p. 462, et *Lich. Fr. Behr.* p. 42, ubi definitur. = In Asia boreali (Konyambay). — Etiam in Europa.

3273. *V. margacea* Wahlenb. *Flora lappon.* p. 465, Nyl. *Pyrenoc.* p. 25 et *Lich. Scand.* p. 272, ubi definitur; *Enum. Lich.* p. 137. = In Africa orientali (Abyssinia). — Etiam in Europa.

3274. *V. latebrosa* Koerber *Syst. Lich. Germ.* p. 349; Nyl. *Lich. Jap.* p. 89, ubi sporæ definiuntur. = In Asia orientali (Japonia). — Etiam in Europa.

3275. *V. æthiobola* Wahlenb. in Ach. *Lichenogr. univ.* p. 292, Nyl. apud Hue *Addend. Lichenogr. europ.* p. 281, ubi definitur; *V. margacea* var. *æthiobola* Wahlenb. *Fl. lappon.* p. 465, Nyl. *Prodr. Lich. Gall.* p. 181 et *Lich. Scand.* p. 272, ubi definitur; *Pyrenoc.* p. 25 et *Enum. Lich.* p. 137; *V. papillosa* Koerb. *Syst. Lich. German.* p. 350. = In Asia orientali (Japonia, *Lich. Jap.* p. 89, ubi sporæ definiuntur). — Etiam in Europa.

3276. *Verrucaria æthioboliza* Nyl. *Lich. S^u Pauli* p. 7 et in *Flora* 1886, p. 322, ubi definitur. = In Africa orientali antarctica (ins. Sancti Pauli).

3277. *V. prævicia* Nyl. *Lich. Jap.* p. 89, ubi definitur. = In Asia orientali (Japonia).

3278. *V. acrotella* Ach. *Method. Lich.* p. 125, Nyl. *Lich. Scand.* p. 293, ubi definitur. = In Asia boreali (Lawrence insula, *Lich. Fr. Behr.* p. 51). — Etiam in Europa.

3279. *V. riparia* Nyl. *Lich. Fr. Behr.* pp. 16 et 42, ubi sporæ definiuntur; *V. margacea* var. *riparia* Nyl. *Lich. Lapp. orient.* p. 170, ubi definitur. = In Asia boreali (Lawrence insula, etc.). — Etiam in Europa.

3280. *V. lævata* Ach. *Syn. Lich.* p. 94, Nyl. *Pyrenoc.* p. 26 et *Lich. Fr. Behr.* p. 5, ubi definitur. = In Asia boreali (Lawrence insula). — Etiam in Europa.

3281. *V. prominula* Nyl. *Lich. Armor. et Delphin.* p. 411 et *Lich. Fr. Behr.* p. 72, ubi definitur. = In America boreali (Port-Clarence). — Etiam in Europa.

3282. *V. integra* Nyl. *Lich. Scand.* p. 276, ubi definitur; *V. rupestris* var. *integra* Nyl. *Pyrenoc.* p. 31, ubi etiam definitur; *Enum. Lich.* p. 137. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 25). — In America boreali (Port-Clarence, *Lich. Fr. Behr.* p. 72). — Etiam in Europa.

— *F. sublimitans* Nyl. in litt.; *V. integra* f. *limitans* Nyl. *Lich. Ægypt.* p. 7, ubi definitur; nomen illud jam usurpatum mutari debuit, cfr. infra n^o 3439. = In Africa boreali (Ægypto).

3283. * *V. mortarii* Arn. apud Lamy *Catal. Lich. Mont-Dore* p. 162; *V. integra* f. *mortarii* Nyl. in *Flora* 1878, p. 344, ubi definitur. = In Africa boreali (Algeria). — Etiam in Europa.

3284. *V. ruderella* Nyl. apud Cromb. *Challeng. Exped.* p. 217, ubi definitur. = In America septentrionali (Illinois, haud procul a Chicago, *Lich. Jap.* p. 109; ins. Bermudis).

3285. *V. muralis* Ach. *Syn. Lich.* p. 95, Nyl. *Pyrenoc.* p. 32 et *Lich. Scand.* p. 275, ubi definitur; *Enum. Lich.* p. 137. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 42). — In America boreali (Port-Clarence, *Lich. Fr. Behr.* p. 72). — Etiam in Europa.

— *F. dolosula* Nyl. *Lich. Fr. Behr.* p. 72, ubi definitur. = In America boreali (Port-Clarence).

3286. *V. subjectiva* Nyl. in *Flora* 1884, p. 218, et *Lich. Fr. Behr.* p. 42, ubi definitur. = In Asia boreali (Konyambay).

3287. *V. pelocita* Nyl. in *Flora* 1877, p. 461, et *Lich. Fr. Behr.* p. 43, ubi definitur. = In Asia boreali (Konyambay). — Etiam in Europa.

6. — Stirps *Verrucariæ epigææ* Ach.

Sporæ 8^{næ}, incolores, simplices; paraphyses distinctæ, graciles.

3288. *V. epigæa* Ach. *Syn. Lich.* p. 96, Nyl. *Pyrenoc.* p. 35 et *Lich. Scand.* p. 276, ubi definitur. = In America septentrionali. — Etiam in Europa.

II. — *Species potissime corticolæ, pauçæ saxicolæ.*

7. — *Porinula* Nyl.

Sporæ 8^{næ}, incolores, vulgo fusiformes et pluri-septatæ; paraphyses graciles.

3289. *V. chlorotica* Ach. *Syn. Lich.* p. 94, Nyl. *Pyrenoc.* p. 36 et *Lich. Scand.* p. 277, ubi definitur; *Enum. Lich.* p. 138. = In Asia boreali (Konyambay, etc., *Lich. Fr. Behr.* pp. 43 et 51) et orientali (Japonia, *Lich. Jap.* p. 90, ubi pr. p. definitur). — In America tro-

pica (Peruvia, *Lich. exot.* p. 232). — In Oceania (ins. Nukahiva, *Lich. exot.*, p. 247). — Etiam in Europa.

3290. * **Verrucaria carpineae** Pers., Ach. *Syn. Lich.* p. 88, Nyl. *Lich. Scand.* p. 278, ubi definitur. = In Oceania (ins. Nukahiva, *Lich. exot.* p. 247 et *Lich. iles Marquis.* p. 302). — Etiam in Europa.

3291. ** **V. cinerea** Pers. in Uster's *Annal. bot.* 1 St. p. 28, tab. III, fig. 6 A, Nyl. *Pyrenoc.* p. 37, ubi definitur; *Enum. Lich.* p. 138. = In Asia meridionali (India). — In America boreali (Terra Nova, ubi lecta fuit a Despréaux ex herb. Bory de St-Vincent). — Etiam in Europa.

3292. **V. subcinerea** Nyl. *Pyrenoc.* p. 37, ubi definitur. = In America septentrionali (Texas).

3293. **V. subchlorotica** Nyl. *Syn. Lich. N. Caled.* p. 85, ubi definitur; in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

3294. **V. grandicula** Nyl. *Lich. Jap.* p. 90, ubi definitur. = In Asia orientali (Japonia).

3295. **V. quintaria** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 115 in notula et *Lich. Jap.* p. 91, ubi definitur. = In Asia orientali (Japonia).

3296. **V. parjata** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 66 et *Lich. Jap.* p. 90, ubi definitur. = In Asia orientali (Japonia; China).

3297. **V. rhapsispora** Knight, Nyl. in *Flora* 1886, p. 327, ubi definitur. = In Oceania (Australia).

3298. **V. leptalea** Nyl. in *Flora* 1874, p. 15, ubi definitur; *V. lectissima* var. *leptalea* Nyl. *Pyrenoc.* p. 38, *Prodr. Lich. Gall.* p. 187 et *Enum. Lich.* p. 138. — *Biatora vernalis* var. *leptalea* Dur. et Mont., Nyl. *Lich. Algér.* p. 313. = In Africa boreali (Algeria). — In Europa (in Helvetia saltem, Stizenb. *Lich. helvet.* p. 251).

3299. **V. leptaleoides** Nyl. in *Flora* 1874, p. 15, ubi definitur. = In Asia boreali (Lawrence ins., *Lich. Fr. Behr.* p. 51) et orientali (Japonia, *Lich. Jap.* p. 90, ubi sporæ definiuntur). — Etiam in Europa boreali (Finlandia).

3300. **V. leptaleina** Nyl. *Lich. N. Zeland.* 1888, p. 130, ubi definitur. = In Oceania (Nova Zelandia).

3301. **V. sublectissima** Nyl. in *Flora* 1885, p. 441, et *Lich. Fr. Behr.* p. 51, ubi definitur. = In Asia boreali (Lawrence insula).

3302. **V. heteropsis** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 74 et ed. 2^a p. 115 in notulis, ubi definitur. = In America tropica (Mexico).

3303. **V. albicascens** Nyl. *Lich. N. Zeland.* 1888, p. 129, ubi definitur. = In Oceania (Nova Zelandia).

3304. **V. indutula** Nyl. *Lich. N. Zeland.* 1888, p. 129, ubi definitur. = In Oceania (Nova Zelandia).

3305. **V. emiscens** Nyl. *Lich. N. Zeland.* 1888, p. 129, ubi definitur. = In Oceania (Nova Zelandia).

3306. **V. subsimplicans** Nyl. *Lich. N. Zeland.* 1888, p. 130, ubi definitur. = In Oceania (Nova Zelandia).

— **F. albens** Nyl. *Lich. N. Zeland.* loc. citat., ubi definitur. = In eadem regione.

3307. **V. epiphylla** Nyl. *Pyrenoc.* p. 38, ubi definitur. — *Porina epiphylla* Fée *Essai Supplém.* p. 76. = In Africa orientali (ins. Madagascar). — In America tropica. — In Oceania (ins. Java; ins. Taiti, *Lich. exot.* p. 247) et in aliis locis tropicis.

3308. **V. præstans** Nyl. *Lich. Angol.* p. 520, ubi definitur. = In Asia meridionali (ins. Andaman, *Lich. Andam.* p. 19, ubi sporæ definiuntur). — In Africa occidentali (Angola).

3309. **V. nana** Nyl. *Pyrenoc.* p. 38, ubi definitur. — *Porina nana* Fée *Essai Supplém.* p. 75, tab. XXXVI, fig. 12. = In America tropica.

3310. *Verrucaria disterrina* Nyl. *Lich. ins. Guin.* p. 37, ubi definitur. = In Africa occidentali (ins. Principis).

3311. *V. astuta* Nyl. *Lich. ins. Guin.* p. 37, ubi definitur. = In Africa occidentali (ins. Principis).

3312. *V. mastoidea* Nyl. *Pyrenoc.* p. 38, *Lich. Andam.* p. 49 et *Syn. Lich. N. Caled.* p. 84, ubi definitur; *Enum. Lich.* p. 438. — *Pyrenula mastoidea* Ach. *Syn. Lich.* p. 422. — *Porina mastoidea* Fée *Essai* p. 82 et *Supplém.* p. 74; *P. americana* Fée *Essai* p. 83, tab. XX, fig. 4, et *Supplém.* p. 74, tab. XXXVI, fig. 44, et XLI, fig. 2; *P. viridi-olivacea* Fée *Essai Supplém.* p. 74; *P. marginata* Fée *Essai* p. 82, tab. XXI, fig. 5, et *Supplém.* p. 74, et tab. XLI, fig. 4. = In omnibus terris tropicis. In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East. Asia* p. 59). — In Africa occidentali (ins. San Thomé, *Lich. ins. Guin.* p. 37). — In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 74 et 2^a p. 443; Peruvia, *Lich. exot.* p. 232). — In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 45, ubi sporæ definiuntur; Nova Caledonia, *Exposit. Lich. N. Caled.* p. 52 et *Flora* 1867, p. 496; ins. Nukahiva, *Lich. exot.* p. 247, *Porina americana* Fée, Nyl. *Lich. îles Marq.* p. 302).

— Var. *pertusarioides* Nyl. *Enum. Lich.* p. 438. = In America tropica (Guyana gallica).

3313. * *V. internigrans* Nyl. *Lich. Andam.* p. 48, ubi sporæ definiuntur; *V. mastoidea* var. *internigrans* Nyl. *Syn. Lich. N. Caled.* p. 84, ubi definitur. = In Asia meridionali (ins. Andaman). — In Oceania (Nova Caledonia).

3314. *V. firmula* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3315. *V. nonaria* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3316. *V. mastoidiza* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3317. *V. mastoidea* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3318. *V. comparatula* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3319. *V. Tetraceræ* Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 114, ubi sporæ definiuntur. — *Pyrenula Tetraceræ* Ach. *Syn. Lich.* p. 425; *V. mastoidea* var. *Tetraceræ* Nyl., *Pyrenoc.* p. 39, ubi definitur; *Enum. Lich.* p. 438. = In Africa meridionali (Portu Natali, *Lich. Port Natal* p. 44, ubi definitur pr. p.). — In America tropica (Mexico, *Flora* 1858, p. 381; Guyana gallica; Nicaragua) et meridionali (Argentina, *Lich. Fueg.* p. 49, ubi sporæ definiuntur).

3320. *V. dissipans* Nyl. in *Flora* 1866, p. 294, ubi definitur. = In Africa meridionali (Portu Natali, *Lich. Port Natal* p. 44, ubi sporæ definiuntur). — In America tropica (ins. Cuba).

3321. *V. interstes* Nyl. *Syn. Lich. N. Caled.* p. 84, ubi definitur; in *Flora* 1867, p. 496. = In Asia meridionali (ins. Andaman, *Lich. Andam.* p. 49, ubi sporæ definiuntur). — In Oceania (Nova Caledonia).

3322. *V. subinterstes* Nyl. *Lich. Andam.* p. 49, ubi definitur. = In Asia meridionali (ins. Andaman).

3323. *V. chlorotera* Nyl. *Syn. Lich. N. Caled.* p. 85, ubi definitur; in *Flora* 1867, p. 496. = In Oceania (Nova Caledonia).

3324. *V. mastoidella* Nyl. in *Flora* 1867, p. 8, ubi definitur. = In Asia meridionali (Calcutta).

3325. *V. globosa* Tayl., Nyl. in *Flora* 1883, p. 534, et *Lich. ins. Guin.* p. 38, ubi definitur. = In Africa occidentali (ins. Principis). — Etiam in Europa (Hibernia).

3326. *V. innata* Nyl. *Pyrenoc.* p. 39, ubi definitur; *Enum. Lich.* p. 438. = In Africa orientali (ins. Borbonia, *Lich. exot.* p. 264).

3327. *V. desquamescens* Nyl. *Pyrenoc.* p. 39, ubi definitur; *Enum. Lich.* p. 438. — *Porina desquamescens* Fée *Essai Supplém.* pp. 75, 155 et 157, tab. XLI, fig. 5 et 9. = In America tropica (Peruvia, *Lich. exot.* p. 232).

3328. **Verrucaria nucula** Nyl. *Pyrenoc.* p. 40, *Syn. Lich. N. Caled.* p. 85 et *Lich. Antill.* p. 22, ubi definitur; *Enum. Lich.* p. 138. — *Porina nucula* Ach. *Syn. Lich.* p. 112. = In omnibus regionibus tropicis. In Africa occidentali (ins. San Thomé, *Flora* 1886, p. 178, et *Contrib. da Fl. d'Afric.* p. 14 et *Lich. ins. Guin.* p. 37, ubi sporæ definiuntur; Guinea). — In America tropica (ins. Guadalupa; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 74 et ed. 2^a p. 114, ubi sporæ definiuntur). — In Oceania (ins. Java; Nova Caledonia, *Flora* 1867, p. 196).

— Var. 1. **endochrysea** Nyl. *Lich. Antill.* p. 22. — *Porina endochrysa* Mont. *Sylog.* p. 360. = In America tropica (ins. Cuba, *Flora* 1866, p. 294, *V. endochrysea* Nyl.; Guyana; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 74 et ed. 2^a p. 114, ubi, æque ac in præcedente loco, sporæ definiuntur).

— Var. 2. **granulatula** Nyl. *Lich. Antill.* p. 22, ubi definitur. = In America septentrionali (Carolina).

3329. * **V. rudiuscula** Nyl. *Syn. Lich. N. Caled.* p. 85, ubi definitur, in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

3330. **V. dolichophora** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 74 et ed. 2^a p. 114, ubi definitur. = In America tropica (Nova Granata).

3331. * **V. belonospora** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 114, ubi definitur. = In America tropica (Nova Granata).

3332. **V. catapasta** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 74, ed. 2^a p. 115, ubi definitur, et *Addit.* p. 576. = In America tropica (Nova Granata).

3333. **V. sulfurea** Nyl. — *Byssophyton sulfureum* Mont. *Sylog.* p. 357, *Nyl. Lich. exot.* p. 247; *Enum. Lich.* p. 140 in notula. = In Oceania (ins. Taïti).

3334. **V. punctillata** Nyl. in *Flora* 1884, p. 223, et *Lich. Fr. Behr.* p. 25, ubi definitur. = In Asia boreali (Konyambay).

8. — Stirps *Verrucariæ insuetæ* Nyl.

Sporæ 8^{næ}, incolores et 3-septatæ; paraphyses mediocres.

3335. **V. insueta** Nyl. apud Cromb. *Kerguel. land* p. 192, ubi definitur. = In Africa australi (ins. Kerguelen).

9. — Stirps *Verrucariæ muscicolæ* Ach.

Sporæ 2-8^{næ}, incolores et murali-divisæ; paraphyses graciles.

3336. **V. muscicola** Ach. in herb., *Nyl. Pyrenoc.* p. 40, ubi definitur; *Enum. Lich.* p. 138. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 26, ubi sporæ definiuntur). — Etiam in Europa.

3337. **V. heterospora** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3338. **V. geminella** Nyl. *Pyrenoc.* p. 40 et in *Flora* 1858, p. 381, ubi definitur; *Enum. Lich.* p. 138. = In America tropica (Mexico).

3339. **V. thelostomoides** Nyl. *Pyrenoc.* p. 41, ubi definitur; *Enum. Lich.* p. 138. = In Asia meridionali (India).

3340. **V. modestula** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3341. **V. kerguelana** Nyl. apud Cromb. *Kerguel. land* p. 192, ubi definitur. = In Africa australi (ins. Kerguelen).

3342. **V. luridella** Nyl. *Pyrenoc.* p. 41, ubi definitur; *Enum. Lich.* p. 138. = In America tropica (Bolivia, *Lich. exot.* p. 232).

3343. **V. eminentior** Nyl. *Syn. Lich. N. Caled.* p. 86, ubi definitur; *Thelenella eminentior*

tior Nyl. *Exposit. Lich. N. Caled.* p. 54, ubi definitur; in *Flora* 1867, p. 196. = In America tropica (Brasilia, *Flora* 1869, p. 125, ubi sporæ definiuntur). — In Oceania (Nova Caledonia).

3344. **Verrucaria exocha** Nyl. *Lich. N. Zeland.* 1888, p. 127 et fig. 2, atque in *Flora* 1869, p. 125, ubi definitur. = In Oceania (Nova Zelandia).

3345. **V. perfragilis** Nyl. *Lich. N. Zeland.* 1888, p. 125, ubi definitur. — *Porina endochrysa* Bab. *Lich. New Zeal.* p. 42, tab. CXXVIII D. Hæc in Nyl. *Pyrenoc.* p. 40 cum *Verrucaria nucula* Nyl. jungitur. Arnold *Exsicc.* 1203; Lojka *Lich. univ.* n. 146. = In Oceania (Nova Zelandia).

3346. **V. albo-linita** Nyl. *Lich. ins. Guin.* p. 38, ubi definitur. = In Africa occidentali (ins. Principis).

3347. **V. viridata** Nyl. *Lich. ins. Guin.* p. 38, ubi definitur. = In Africa occidentali (ins. Principis).

3348. **V. proponens** Nyl. *Syn. Lich. N. Caled.* p. 91, ubi definitur; in *Flora* 1867, p. 196; sporæ murali-divisæ, attamen hæc species forte potius pertineat ad stirpem *V. epidermidis* Ach. = In Oceania (Nova Caledonia).

10. — Stirps *Verrucariæ porinopseos* Nyl.

Sporæ 8^{næ}, incolores, simplices et magnæ; paraphyses graciles.

3349. **V. porinopsis** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 68 et Nyl. *Lich. Jap.* p. 91, ubi definitur. = In Asia orientali (Japonia).

11. — Stirps *Verrucariæ variolosæ* Pers.

Sporæ 2-8^{næ} in thecis, fuscæ, raro incolores, magnæ et murali-divisæ; paraphyses graciles.

3350. **V. variolosa** Nyl. *Pyrenoc.* p. 41, ubi definitur; *Enum. Lich.* p. 138. — *Pyrenula variolosa* Pers. in Gaudich. *Uran. Bot.* p. 181. = In Africa tropica. — In America tropica (Mexico, *Flora* 1858, p. 381; ins. Cuba, Mont. *Syllog.* p. 368). — In Oceania (ins. Marianis, *Lich. exot.* p. 247).

— **F. pyrinoica** Nyl. *Pyrenoc.* p. 42, ubi definitur; *V. pyrinoica* Ach. *Syn. Lich.* p. 91. = In Africa occidentali (Guinea).

3351. **V. ascidioides** Nyl. *Lich. N. Caled. Exposit.* p. 53 et *Syn.* p. 90, ubi definitur; in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

3352. **V. lugescens** Nyl. in *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 13 et *Lich. ins. Guin.* p. 35, ubi definitur. = In Africa occidentali (ins. San Thomé).

3353. **V. borbonica** Nyl. *Pyrenoc.* p. 42, ubi definitur; *Enum. Lich.* p. 138. = In Africa orientali (ins. Borbonia, *Lich. exot.* p. 261).

3354. **V. guineensis** Nyl. *Lich. ins. Guin.* p. 36, ubi definitur. = In Africa occidentali (ins. Principis).

3355. **V. andamanica** Nyl. *Lich. Andam.* p. 49, ubi definitur. = In Asia meridionali (ins. Andaman).

3356. **V. papillifera** Nyl. *Pyrenoc.* p. 42, ubi definitur; *Enum. Lich.* p. 138. = In America tropica (Guyana gallica).

3357. **V. epapillata** Nyl. *Pyrenoc.* p. 43 et *Prodr. Fl. N. Gran. Addit.* p. 576, ubi definitur; *Enum. Lich.* p. 138. = In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East-Asia* p. 59) et meridionali (ins. Ceylonia).

3358. **V. chilensis** Nyl. — *Pyrenastrum chilense* Mont., Nyl. *Addit. Fl. chil.* p. 187. = In America meridionali (Chili).

3359. *Verrucaria operta* Nyl. *Prodr. Fl. N. Gran. Addit.* p. 576, ubi definitur; in *Flora* 1864, p. 618; sporæ incolores et binæ in thecis. = In America tropica (Nova Granata).

3360. *V. intrusa* Nyl. *Pyrenoc.* p. 43, ubi definitur; *Enum. Lich.* p. 138; sporæ incolores et thecæ plerumque monosporæ. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 75 et ed. 2^a p. 116; Bolivia, *Lich. exot.* p. 232).

3361. *V. euthelia* Nyl. in *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 43 et *Lich. ins. Guin.* p. 35, ubi definitur; sporæ 8^{næ} incolores. = In Africa occidentali (ins. San Thomé).

3362. *V. interponens* Nyl. *Lich. Andam.* p. 20, ubi definitur; sporæ 8^{næ} incolores, submurali-divisæ. = In Asia meridionali (ins. Andaman).

3363. *V. pyrenuloides* Nyl. *Pyrenoc.* p. 44, *Prodr. Fl. N. Gran.* ed. 1^a p. 74 et ed. 2^a p. 115 et *Syn. Lich. N. Caled.* p. 86, ubi definitur; *Enum. Lich.* p. 138. — *Trypethelium pyrenuloides* Mont. *Sylog.* p. 371. Animadvertendum est hanc speciem et *V. libricolam* Fée, quæ in *Expositione synoptica Pyrenocarpeorum* sub hac stirpe ponuntur, in opere huic posteriore cui titulus: *Lichenes insularum Guineensium* ad stirpem *V. nitidæ* Schrad. referri. Nihilominus illæ ambæ species earumque affines ob sporas murali-vel saltem submurali-divisas in stirpe *V. variolosæ* Pers. hic disponendæ videntur. = In Africa orientali (ins. Madagascar), meridionali (Portu Natali, *Lich. Port Natal* p. 14, ubi definitur pr. p.) et occidentali (ins. San Thomé, *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 43 et *Lich. ins. Guin.* p. 35, ubi sporæ definiuntur). — In America septentrionali (Carolina, ubi forma quædam in *Pyrenoc.* p. 44 definitur) et tropica (ins. Sancti-Thomæ Antillarum, *Flora* 1880, p. 128; Nova Granata; Peruvia, *Lich. exot.* p. 232). — In Oceania (ins. Sandwich; ins. Taïti, *Lich. exot.* p. 247; Nova Caledonia, *Flora* 1867, p. 196; ins. Amiraute).

3364. *V. duplicans* Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 75 et ed. 2^a p. 116, ubi definitur, atque *Addit.* p. 576. = In America tropica (ins. Guadalupa, *Lich. Antill.* p. 22, ubi definitur forma sporis 2-8^{nis}; Nova Granata; Nicaragua).

3365. *V. duplicascens* Nyl. *Lich. Andam.* p. 49, ubi definitur; sporæ binæ in thecis et incolores. = In Asia meridionali (ins. Andaman).

3366. *V. libricola* Nyl. *Syn. Lich. N. Caled.* p. 87, ubi definitur. — *Pyrenula libricola* Fée *Essai Supplém.* p. 82; *Pyr. aspistea* Fée ibid. p. 83, tab. XXXVII, fig. 2. — *Verrucaria aspistea* Nyl. *Pyrenoc.* p. 43, ubi definitur; *Enum. Lich.* p. 138; *V. analepta* var. *americana* Ach. *Syn. Lich.* p. 88. — *Pyrenula leucostoma* Ach. *Syn. Lich.* p. 124, Nyl. *Pyrenoc.* p. 43 in notula. = In omnibus regionibus tropicis. In Asia meridionali (Calcutta, *Flora* 1867, p. 8; ins. Ceylonia, ex herb. Hooker). — In Africa orientali (ins. Borbonia, *Lich. exot.* p. 261). — In America tropica (India occidentali; Peruvia, *Lich. exot.* p. 232). — In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 16, ubi sporæ definiuntur; ins. Taïti et Sandwich, *Lich. exot.* p. 247; Nova Caledonia, *Flora* 1867, p. 196).

— Var. *Cinchonarum* Nyl.; *V. aspistea* var. *Cinchonarum* Nyl. *Lich. exot.* p. 232. — *Parmentaria Cinchonarum* Fée *Essai Supplém.* p. 68. = In America tropica (Peruvia).

3367. *V. astroidea* Nyl. *Lich. N. Zeland.* 1888, p. 132, ubi definitur; *V. aspistea* var. *astroidea* Nyl. *Pyrenoc.* p. 44, ubi pr. p. definitur. — *Parmentaria astroidea* Fée *Essai* p. 70, tab. XX, fig. 4, et *Supplém.* p. 67. — *Pyrenastrum americanum* Spreng. *Syst. Veg.* IV, p. 248; *P. gemmeum* Tuck. *Supplém.* I, p. 249. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 75 et ed. et 2^a p. 116, ubi sporæ definiuntur). — In Oceania (ins. Taïti, *Lich. exot.* p. 247; Nova Zelandia).

3368. *V. paramera* Nyl. apud Cromb. *Challeng. Exped.* p. 227, ubi definitur; accedit ad *V. libricolam* Nyl., sed illius sporæ sunt minores atque simpliciores. = In Oceania (Polynesia).

3369. *V. congestula* Stirton, Nyl. apud Cromb. *Challeng. Exped.* p. 221, ubi definitur; est forsan *Sphaeria* quædam. = In Africa australi (ins. Kerguelen).

12. — Stirps *Verrucariæ nitidæ* Schrad.

Sporæ 8^{næ}, fuscæ, raro incolores, mediocres et plerumquæ 4-loculares; paraphyses graciles.

3370. **Verrucaria aggregata** Fée *Essai* p. 91, Nyl. *Pyrenoc.* p. 44, ubi definitur; *Enum. Lich.* p. 138. — *Pyrenula aggregata* Fée *Essai Supplém.* p. 80. — *Trypethelium nudum* Fée *ibid.* p. 61. — *Verrucaria thelena* Mont. in *Annal. Sc. nat.* 2^{mè} sér. tom. XIX, p. 54. = In Asia meridionali (Singapoure, *Sert. Lich. trop. Lab. et Singap.* p. 25, ubi sporæ definiuntur). — In America tropica (Nicaragua, etc., *Prodr. Fl. N. Gran.* ed. 2^a p. 120 in notula, ubi definitur forma peculiaris; Peruvia, *Lich. exot.* p. 232, ubi forma alia definitur). — In Oceania (ins. Labuan, *Lich. Jap.* p. 115 et *Sert. Lich. trop. Lab. et Singap.* p. 15, ubi sporæ definiuntur).

— F. 1. **heteroclita** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 119 in notulis. — *Pyrenula heteroclita* Ach. *Syn. Lich.* p. 127. = In Africa occidentali (Guinea).

— F. 2. **segregata** Nyl. *Syn. Lich. N. Caled.* p. 89, ubi definitur. = In Oceania (Nova Caledonia).

3371. **V. congregans** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3372. **V. mamillana** Ach. *Syn. Lich.* p. 92, Nyl. *Lich. Antill.* p. 23, ubi sporæ definiuntur; *V. marginata* Nyl. *Pyrenoc.* p. 45, ubi definitur; *V. complanata* Mont. *Sylog.* p. 370, Nyl. *Enum. Lich.* p. 138; *V. Kunthii* Fée *Essai* p. 88, tab. XXXIV, fig. 4; *V. Santensis* Tuck. *Syn. North Americ. Lich.* II, p. 140, Nyl. *Pyrenoc.* p. 45 in notula et *Lich. N. Zeland.* 1888, p. 131, ubi definitur. — *Pyrenula marginata* Hook. in Kunth *Syn. Pl. æquin. Orb. nov.* p. 20; *P. Kunthii* Fée *Essai Supplém.* p. 80. = In Asia orientali (Malacca et China, Nyl. et Cromb. *Lich. East. Asia* pp. 60 et 65). — In Africa orientali (ins. Borbonia et Madagascar, *Lich. exot.* p. 261) et occidentali (Guinea; ins. San Thomé, *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 13 et *Lich. ins. Guin.* p. 34, ubi sporæ definiuntur). — In America tropica (ins. Guadalupa; Guyana; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 75 et ed. 2^a p. 117, ubi sporæ definiuntur sub duplici nomine: *V. mamillana* Ach. et *V. Santensi* Tuck.; Peruvia, *Lich. exot.* p. 232). — In Oceania (ins. Labuan, *Lich. Jap.* p. 115 et *Sert. Lich. trop. Lab. et Singap.* p. 15, ubi sporæ definiuntur; ins. Java, *Flora* 1866, p. 134, ubi sporæ adhuc definiuntur; ins. Sandwich, *Lich. exot.* p. 247; Nova Caledonia, *Flora* 1867, p. 196 et *Syn. Lich. N. Caled.* p. 88 pro parte tantum, nam *V. Santensis* Tuck. in hoc posteriore loco definita est saltem pro parte *V. subglabrata* Nyl., cfr. Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 15; Nova Zelandia).

— Var. **diminuens** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 117, ubi definitur. = In Asia orientali (China).

3373* **V. convexa** Nyl. *Lich. Antill.* p. 23, ubi sporæ definiuntur; *V. marginata* var. *convexa* Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 75 et ed. 2^a p. 117, ubi definitur. = In America tropica (ins. Guadalupa; Nova Granata).

3374. **V. circumrubens** Nyl. *Syn. Lich. N. Caled.* p. 89, ubi definitur; in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

3375. **V. nitida** Schrad., Ach. *Lichenogr. univ.* p. 279, Nyl. *Pyrenoc.* p. 45, *Lich. Scand.* p. 279 et *Syn. Lich. N. Caled.* p. 87, ubi definitur; *Enum. Lich.* p. 138; *V. Cinchonæ* Fée *Essai* p. 87; *V. nitens* Fée *Essai* p. 88, tab. XX, fig. 5. — *Pyrenula copalchiana* Fée *Essai Supplém.* p. 79; *Pyr. oleagina* Fée *ibid.*, sed hæc ponitur etiam in Nyl. *Enum. Lich.* p. 141 ut varietas *Trypethelii annularis* Mont., cfr. infra n° 3529; *Pyr. Cinchonæ* Fée *ibid.* p. 80; *Pyr. nitens* Fée *ibid.* = Fere cosmopolita, sed deest in regionibus antarcticis. In Asia orientali (China et Japonia, Nyl. et Cromb. *Lich. East. Asia* pp. 66 et

69 et *Lich. Jap.* p. 91) et meridionali (Calcutta, *Flora* 1867, p. 8; ins. Andaman, *Lich. Andam.* p. 20). — In Africa boreali (Algeria, *Lich. Algér.* p. 316 et *Prodr. Lich. Gall.* p. 187), orientali (ins. Borbonia, *Lich. exot.* p. 261), meridionali (Portu Natali, *Lich. Port Natal* p. 14, ubi sporæ definiuntur) et occidentali (ins. San Thomé, *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 13 et *Lich. ins. Guin.* p. 34). — In America tropica (Mexico, *Flora* 1858, p. 381; ins. Cuba, *Flora* 1866, p. 294, ubi sporæ definiuntur æque ac in duobus locis sequentibus; ins. Guadalupa, *Lich. Antill.* p. 22; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 118; Peruvia et Bolivia, *Lich. exot.* p. 233; Chili, *Addit. Fl. Chil.* p. 187). — In Oceania (ins. Java, *Flora* 1866, p. 134, ubi sporæ et forma peculiaris definiuntur; ins. Taïti, *Lich. exot.* p. 247 et *Lich. îles Marquis.* p. 302; Nova Caledonia, *Exposit. Lich. N. Caled.* p. 52 et *Flora* 1867, p. 196; Nova Zelandia, *Lich. N. Zeland.* 1861, p. 259, et 1888, p. 130, ubi sporæ definiuntur). — Etiam in Europa.

— F. 1. **quassiæcola** Nyl. *Pyrenoc.* p. 46, ubi definitur; *V. quassiæcola* Fée *Essai* p. 149. — *Pyrenula brunnea* Fée *Essai Supplém.* p. 81. = In America tropica (ins. Jamaica).

— F. 2. **pinguis** Nyl. *Pyrenoc.* p. 46 in notula, ubi definitur; *V. pinguis* Fr. *Lichenogr. europ. reform.* p. 443. — *Pyrenula pinguis* Cheval. *Fl. envir. Paris* 1, p. 518, Schær. *Enum. Lich. europ.* p. 213. = In America tropica (Mexico, *Flora* 1858, p. 381). — Etiam in Europa.

— Var. **phæospila** Nyl. in *Flora* 1866, p. 294, ubi definitur. = In America tropica (ins. Cuba).

3376. * **Verrucaria nitidella** Floerke, Nyl. *Lich. N. Zeland.* 1888, p. 130; *V. nitida* var. *nitidella* Nyl. *Pyrenoc.* p. 46, *Prodr. Fl. N. Gran. Addit.* p. 577 et *Syn. Lich. N. Caled.* p. 87, ubi definitur; *Enum. Lich.* p. 138. = In Asia orientali (Japonia, *Lich. Jap.* p. 91) et meridionali (ins. Ceylonia). — In Africa orientali (ins. Borbonia, *Lich. exot.* p. 261) et occidentali (Guinea). — In America tropica (Nova Granata; Bolivia et Peruvia, *Lich. exot.* p. 233). — In Oceania (Nova Caledonia, *Exposit. Lich. N. Caled.* p. 52 et *Flora* 1867, p. 296; Nova Zelandia). — Etiam in Europa.

3377. ** **V. vitrea** Eschw. *Fl. brasil.* p. 130, Nyl. *Exposit. Lich. N. Caled.* p. 52 in notula, ubi definitur; *V. Guayaci* Fée *Essai Supplém.* p. 85. — *Pyrenula Bonplandix* Fée *Essai* p. 74, tab. XXI, fig. 3 et *Supplém.* p. 78; hæc in Nyl. *Pyrenoc.* p. 46 sub *V. nitida* Schrad. ponuntur. = In America tropica (Brasilia).

3378. **V. mastophora** Nyl. *Lich. N. Caled. Exposit.* p. 52 et *Syn.* p. 88, *Lich. Andam.* p. 20 et *Prodr. Fl. N. Gran.* ed. 1^a p. 73 et ed. 2^a p. 116, ubi definitur, *Addit.* p. 576. = In Asia meridionali (ins. Andaman). — In America tropica (Nova Granata). — In Oceania (Nova Caledonia, *Flora* 1867, p. 196).

3379. **V. mastophoriza** Nyl. *Lich. Andam.* p. 20, ubi definitur. = In Asia meridionali (ins. Andaman).

3380. **V. mastophoroides** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 118, ubi definitur. = In America tropica (Nova Granata).

— Var. **flavicans** Nyl. *Prodr. Fl. N. Gran.* locis citat., ubi definitur. = In eadem regione.

3381. **V. aspistea** Nyl. *Syn. Lich. N. Caled.* p. 88 et *Lich. N. Zeland.* 1888, p. 131, ubi definitur. — *Pyrenula aspistea* Ach. *Syn. Lich.* p. 123, Nyl. *Pyrenoc.* p. 46. — *Verrucaria dermatodes* Borr. = In Asia meridionali (ins. Ceylonia; ins. Andaman, *Lich. Andam.* p. 21). — In Africa meridionali (Portu Natali, *Lich. Port Natal* p. 14, ubi sporæ definiuntur) et occidentali (Guinea). — In America tropica (ins. Guadalupa, *Lich. Antill.* p. 24, ubi sporæ denuo definiuntur æque ac in sequenti loco citato; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 118). — In Oceania (Nova Caledonia, *Flora* 1867, p. 196; Nova Zelandia,

Lich. N. Zeland. 1861, p. 259, ubi datur sub nomine erroneo *V. nitida* var. *nitidella* Floerk.; cfr. *Syn. Lich. N. Caled.* p. 88 in notula).

3382. * **Verrucaria porinoides** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 118 in notulis, ubi definitur. — *Pyrenula porinoides* Ach. *Syn. Lich.* p. 128. = In America tropica.

3383. **V. pleiomeroides** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3384. **V. subnitida** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3385. **V. pleiomerella** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3386. **V. subducta** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 75, tab. II, fig. 52, et ed. 2^a p. 116, atque *Lich. Antill.* p. 23 ac *Lich. Port Natal* p. 14, ubi definitur. = In Africa meridionali (Portu Natali). — In America tropica (ins. Guadalupa; Nova Granata).

— Var. **retracta** Nyl. *Prodr. Fl. N. Gran. Addit.* p. 576, ubi definitur. = In America tropica (Nova Granata).

3387. **V. interducta** Nyl. in *Flora* 1866, p. 134, ubi definitur. = In Oceania (ins. Java).

3388. **V. punctella** Nyl. *Pyrenoc.* p. 46 et *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 119, ubi definitur. = In America septentrionali (Carolina) et tropica (Nova Granata).

— Var. 1. **exstans** Nyl. *Prodr. Fl. N. Gran.* locis citat., ubi definitur. = In America tropica (Nova Granata).

— Var. 2. **adacta** Nyl. *Prodr. Fl. N. Gran. Addit.* p. 577, ubi definitur. — *Pyrenula adacta* Fée *Essai* p. 74 et *Supplém.* p. 79, Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 117, ubi sporæ definiuntur; in Nyl. *Pyrenoc.* p. 46 in notula cum *V. pingui* Fr. jungitur. = In America meridionali (Nova Granata, etc.).

3389. **V. cerina** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 119 in notulis, ubi definitur. — *Pyrenula cerina* Eschw. *Fl. brasil.* p. 133. = In America tropica (Brasilia).

3390. **V. subpunctella** Nyl. *Lich. N. Zeland.* 1888, p. 131, ubi definitur. = In Oceania (Nova Zelandia).

3391. **V. cryptostoma** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 119, ubi definitur. = In America tropica (Nova Granata).

3392. **V. sexocularis** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 76 et ed. 2^a p. 118 in notulis atque *Syn. Lich. N. Caled.* p. 87, ubi definitur. = In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East. Asia* p. 60). — In Oceania (ins. Labuan, *Lich. Jap.* p. 115 et *Sert. Lichen. trop. Lab. et Singap.* p. 15, ubi sporæ definiuntur; Nova Caledonia, *Flora* 1867, p. 196).

3393. **V. hypophyta** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 119, ubi definitur. = In America tropica (Nova Granata).

3394. **V. subnitidella** Nyl. *Lich. Andam.* p. 20, ubi definitur. = In Asia meridionali (ins. Andaman).

3395. **V. subtrahens** Nyl. in *Flora* 1866, p. 135, ubi definitur. = In Oceania (ins. Java).

3396. **V. infida** Nyl. in *Flora* 1866, p. 295, ubi definitur. = In America tropica (ins. Cuba).

3397. **V. glabrata** Ach. *Syn. Lich.* p. 91, Nyl. *Pyrenoc.* p. 47 et *Syn. Lich. N. Caled.* p. 89, ubi definitur; *Enum. Lich.* p. 138. = In Asia orientali (Japonia, *Lich. Jap.* p. 91, ubi sporæ definiuntur; Birmania et Malacca, Nyl. et Cromb. *Lich. East. Asia* pp. 49 et 60). — In Africa occidentali (ins. San Thomé, *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 13 et *Lich. ins. Guin.* p. 34). — In America septentrionali. — In Oceania (Nova Caledonia, *Lich. N. Caled. Prodr.* p. 283 et *Exposit.* p. 53, ubi sporæ definiuntur, *Flora* 1867, p. 196;

Nova Zelandia, *Lich. N. Zeland.* 1861, p. 259, ubi sporæ definiuntur, et 1888, p. 131). — Etiam in Europa.

— F. **grisea** Nyl. *Syn. Lich. N. Caled.* p. 89, ubi definitur et in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

3398. * **Verrucaria Coryli** Nyl. *Pyrenoc.* p. 47 et *Addit. Fl. chil.* p. 174, ubi definitur; *Enum. Lich.* p. 138. — *Pyrenula Coryli* Mass. *Ric. Lichen. crost.* p. 164, fig. 325. = In America meridionali (Chili). — Etiam in Europa.

3399. **V. imitans** Nyl. in *Flora* 1866, p. 295, ubi definitur. = In America tropica (ins. Cuba).

3400. **V. subglabrata** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 60, ubi definitur. = In Asia orientali (Malacca). — In America tropica (ins. Cuba, *Flora* 1876, p. 365). — In Oceania (Nova Caledonia, *Sert. Lichen. trop. Lab. et Singap.* p. 15 et est saltem pro parte *V. Santensis* Nyl. *Syn. Lich. N. Caled.* p. 88).

3401. **V. obtusior** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 15, ubi definitur. = In Oceania (ins. Labuan).

3402. **V. glabriuscula** Nyl. in *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 13 et *Lich. ins. Guin.* p. 35, ubi definitur. = In Africa occidentali (ins. San Thomé).

3403. **V. falklandica** Nyl. *Lich. Fueg.* p. 22, ubi definitur; thallus K —. = In America australi (ins. Falkland, ubi est corticola).

3404. **V. pleiomeria** Nyl. *Prodr. Fl. N. Gran. Addit.* p. 576, ubi definitur; in *Flora* 1864, p. 618; sporæ 6-8 loculares. = In America tropica (Nova Granata).

3405. **V. farrea** Ach. *Syn. Lich.* p. 96 (quoad specim. corticol.), Nyl. *Pyrenoc.* p. 47 et *Lich. Scand.* p. 279, ubi definitur; *Enum. Lich.* p. 138. = In Oceania (Nukahiva, *Lich. exot.* p. 247 et *Lich. îles Marquis.* p. 302). — Etiam in Europa.

3406. **V. hyalospora** Nyl. *Pyrenoc.* p. 48, ubi definitur; *Enum. Lich. Supplém.* p. 337; sporæ incolores. = In America boreali (Nova Anglia).

3407. **V. aurantiaca** Nyl. *Pyrenoc.* p. 48, ubi definitur; *Enum. Lich.* p. 138. — *Pyrenula aurantiaca* Fée *Essai Supplém.* p. 82, tab. XXXVII, fig. 1; sporæ incolores vel fuscae. = In America tropica. — In Oceania (ins. Nukahiva, *Lich. exot.* p. 247 et *Lich. îles Marquis.* p. 302).

3408. **V. micromma** Mont. *Cryptog. guyan.* p. 48 et *Syllog.* p. 368, Nyl. *Pyrenoc.* p. 49 et *Lich. N. Zeland.* 1888, p. 131, ubi definitur; *Enum. Lich.* p. 139. = In America tropica (Guyana gallica, *Addit. Fl. chil.* p. 174, ubi sporæ definiuntur). — In Oceania (Nova Zelandia).

— F. **leucomma** Nyl. *Addit. Fl. chil.* p. 174, ubi definitur; in *Pyrenoc.* p. 49 similiter definitur, sed sine nomine. = In America meridionali (Chili).

3409. **V. confinis** Nyl. *Pyrenoc.* p. 49, *Addit. Fl. chil.* p. 174 et *Lich. N. Caled. Exposit.* p. 52 et *Syn.* p. 90, ubi definitur; *Enum. Lich.* p. 139. = In America meridionali (Guyana gallica; Chili). — In Oceania (Nova Caledonia, *Flora* 1867, p. 196).

3410. **V. denudata** Nyl. *Pyrenoc.* p. 49 et *Syn. Lich. N. Caled.* p. 90, ubi definitur; *Enum. Lich.* p. 139; thallus K —. = In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East. Asia* p. 60) et meridionali (ins. Ceylonia; ins. Andaman, *Lich. Andam.* p. 24, ubi sporæ definiuntur). — In Africa orientali (ins. Borbonia, *Lich. exot.* p. 264). — In America tropica. — In Oceania (ins. Labuan, *Lich. Jap.* p. 115 et *Sert. Lichen. trop. Lab. et Singap.* p. 15, ubi sporæ definiuntur; ins. Nukahiva, *Lich. exot.* p. 247 et *Lich. îles Marquis.* p. 302; Nova Caledonia, *Exposit. Lich. N. Caled.* p. 53 et in *Flora* 1867, p. 196).

— F. **ochrotropa** Nyl. *Syn. Lich. N. Caled.* p. 90, ubi definitur. = In Oceania (Nova Caledonia).

3411. **V. albescens** Nyl. *Pyrenoc.* p. 50, ubi definitur; *Enum. Lich.* p. 139. = In America tropica (Guyana britannica).

— *F. subochracea* Nyl. apud Cromb. *Challeng. Exped.* p. 227, ubi definitur. = In Oceania (Polynesia, ins. Amirauté).

3412. *Verrucaria ochraceo-flava* Nyl. *Pyrenoc.* p. 50, ubi definitur; *Enum. Lich.* p. 139. = In America tropica (Mexico; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et ed. 2^a p. 120, ubi sporæ definiuntur). — In Oceania (ins. Labuan, *Lich. Jap.* p. 115 et *Sert. Lichen. trop. Lab. et Singap.* p. 15).

— *F. nudior* Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 60, ubi definitur. = In Asia orientali (Malacca, *Sert. Lichen. trop. Lab. et Singap.* p. 16).

3413. **V. ochraceo-flavens* Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et ed. 2^a p. 120 in notulis, ubi definitur. = In America tropica.

3414. *V. sinapisperma* Fée *Essai* p. 86 et *Supplém.* p. 86, Nyl. *Pyrenoc.* p. 50, ubi definitur; *Enum. Lich.* p. 139. = In America tropica (Peruvia, *Lich. exot.* p. 233).

3415. *V. Canellæ-albæ* Nyl. *Pyrenoc.* p. 51, ubi definitur; *Enum. Lich.* p. 139. — *Pyrenula Canellæ-albæ* Fée *Essai Supplém.* p. 157, tab. XLIII, fig. 4. = In America tropica.

3416. *V. pupula* Nyl. *Pyrenoc.* p. 52 in notula. — *Pyrenula pupula* Ach. *Syn. Lich.* p. 123, *Monogr.* p. 19, tab. XI, fig. 17, Fée *Essai* p. 73, tab. XXI, fig. 1, et *Supplém.* p. 77. — *Verrucaria porinoides* Mont. *Cryptog. guyan.* p. 51, Nyl. *Pyrenoc.* p. 51, ubi definitur; *Enum. Lich.* p. 138. — *Pyrenula porinoides* Ach. *Syn. Lich.* p. 128; *Pyr. cartilaginea* Fée *Essai* p. 77, tab. XXIII, fig. 3 et *Supplém.* p. 77; *Pyr. discolor* Ach. *Syn. Lich.* p. 118, Fée *Essai* p. 71 et *Supplém.* p. 77; *Pyr. myriocarpa* Fée *Essai* p. 74, tab. XXI, fig. 2 et *Supplém.* p. 78; sporæ incolores. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran. Addit.* p. 577, ubi forma quædam definitur; Peruvia, *Lich. exot.* p. 233). — In Oceania (ins. Java, *Flora* 1866, p. 135).

3417. *V. papulosa* Nyl. *Prodr. Fl. N. Gran. Addit.* p. 577, ubi definitur; in *Flora* 1864, p. 618; sporæ incolores. = In America tropica (Nova Granata).

3418. *V. concatervans* Nyl. *Lich. Jap.* p. 109, ubi definitur; sporæ fuscescentes, 6-loculares. Hæc species et *V. catervaria* Fée accedunt ad *Trypethelium ochroleucum* Nyl. infra n° 3519. = In America septentrionali calida (Florida).

3419. *V. catervaria* Fée *Essai* p. 90, tab. XXII, fig. 1, Nyl. *Pyrenoc.* p. 52, ubi definitur; *Enum. Lich.* p. 129; sporæ incolores. = In America tropica (ins. Cuba, *Flora* 1866, p. 295; Nova Granata, *Prodr. Fl. N. Gran. Addit.* p. 577, ubi sporæ definiuntur).

3420. **V. diffluens* Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et ed. 2^a p. 121, ubi definitur; sporæ incolores. = In America tropica (Nova Granata).

3421. *V. nitidiuscula* Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et ed. 2^a p. 121, ubi definitur; sporæ incolores. = In America tropica (Nova Granata).

3422. *V. ceratina* Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et ed. 2^a p. 121. — *Pyrenula ceratina* Fée *Essai Supplém.* p. 77. Huic speciei jungendæ videntur *V. diffluens* Nyl. et *V. nitidiuscula* Nyl., nam ab illa vix nisi ostiolis differunt. Antea ea *V. ceratina* (Fée) sub *V. pupula* (Ach.) disposita fuerat, *Pyrenoc.* p. 52 in notula. = In America tropica.

3423. *V. concatervata* Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 68 et Nyl. *Lich. Jap.* p. 91, ubi definitur; sporæ incolores. = In Asia orientali (Japonia).

3424. *V. trypethelizans* Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 60, ubi definitur; sporæ incolores. = In Asia meridionali (Malacca, *Lich. Jap.* p. 91 in notula).

3425. *V. myriomma* Nyl. *Prodr. Fl. N. Gran. Addit.* p. 578, ubi definitur; in *Flora* 1864, p. 618; sporæ incolores. = In America tropica (Nova Granata).

3426. *V. thelotremoides* Nyl. *Prodr. Fl. N. Gran. Addit.* p. 578 et *Lich. Antill.* p. 24, ubi definitur; in *Flora* 1864, p. 618; sporæ incolores. = In America tropica (Nova Granata).

3427. *V. heterochroa* Mont. *Sylog.* p. 370, Nyl. *Pyrenoc.* p. 52, ubi definitur; *Enum. Lich.* p. 139; sporæ incolores. = In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East.*

Asia p. 60). — In America tropica (Guyana; Nova Granata, *Prodr. Fl. N. Gran. Addit.* p. 578 et *Flora* 1864, p. 618; Brasilia).

13. — Stirps *Verrucariæ dilutæ* Fée.

Sporæ 8^{næ}, incolores et 3-septatæ; paraphyses gráciles, plus minusve confertæ.

3428. **Verrucaria obvoluta** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et 2^a p. 122, ubi definitur. = In America tropica (Nova Granata).

3429. **V. subvelata** Nyl. *Pyrenoc.* p. 56, ubi definitur. = In Asia meridionali (India).

3430. **V. diluta** Fée *Essai Supplém.* p. 85, Nyl. *Syn. Lich. N. Caled.* p. 91, ubi definitur; *V. Cinchonæ* non Ach. quæ est infra n° 3461, sed Nyl. *Pyrenoc.* p. 57, ubi definitur; *Enum. Lich.* p. 139; *V. pyrenuloides* Fée *Essai Supplém.* p. 86. — *Pyrenula verrucaroides* Fée *Essai* p. 76. = In Asia meridionali (Calcutta, *Flora* 1867, p. 8, ubi definitur forma peculiaris). — In America tropica (ins. Cuba, *Flora* 1866, p. 295; Nova Granata, *Prodr. Fl. N. Gran. Addit.* p. 578, ubi sporæ definiuntur, *Flora* 1864, p. 618; Peruvia, *Lich. exot.* p. 233; Brasilia, *Flora* 1869, p. 125). — In Oceania (ins. Labuan, *Lich. Jap.* p. 115 et *Sert. Lichen. trop. Lab. et Singap.* p. 15; ins. Nukahiva, *Lich. exot.* p. 247 et *Lich. îles Marquis.* p. 302; Nova Caledonia, *Flora* 1867, p. 196).

3431. * **V. dirempta** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 122, ubi definitur, *Addit.* p. 578. = In America tropica (Nova Granata).

3432. **V. illota** Nyl. in *Flora* 1876, p. 364; *V. diluta* Nyl. *Lich. Antill.* p. 24, ubi definitur. = In America tropica (ins. Martinica et Cuba).

3433. **V. infossa** Nyl. in *Flora* 1886, p. 178, *Contrib. da Fl. d'Afric.* p. 14 et *Lich. ins. Guin.* p. 36, ubi definitur. = In Africa occidentali (ins. San Thomé).

3434. **V. suffusa** Knight, Nyl. *Lich. N. Zeland.* 1888, p. 133, ubi definitur. = In Oceania (Nova Zelandia).

3435. **V. tropica** Ach. *Syn. Lich.* p. 91, Nyl. *Pyrenoc.* p. 57, ubi definitur pro parte; *Enum. Lich.* p. 139; *V. Gaudichaldii* Fée *Essai* p. 87, tab. XXII, fig. 4; *V. Gaudichaudii* Fée *Essai Supplém.* p. 86. = In omnibus fere regionibus tropicis. In Asia orientali (Malacca et Singapoure, Nyl. et Cromb. *Lich. East. Asia* p. 60 et Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 25) et meridionali (Calcutta, *Flora* 1867, p. 8, ubi sporæ definiuntur). — In Africa occidentali (ins. San Thomé, *Flora* 1886, p. 178, *Contrib. da Fl. d'Afric.* p. 14, et *Lich. ins. Guin.* p. 36, ubi sporæ definiuntur). — In Oceania (ins. Java, *Flora* 1866, p. 135; ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 15, ubi sporæ definiuntur).

3436. **V. contendens** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 122, ubi definitur. = In America tropica (Nova Granata).

14. — Stirps *Verrucariæ gemmatæ* Ach.

Sporæ 8^{næ}, incolores et 1-septatæ; paraphyses gráciles.

3437. **V. gemmata** Ach. *Syn. Lich.* p. 90, Nyl. *Pyrenoc.* p. 53 et *Lich. Scand.* p. 280, ubi definitur; *Enum. Lich.* p. 139. = In Africa boreali (Algeria, *Lich. Algér.* p. 316 et *Prodr. Lich. Gall.* p. 188, ubi etiam definitur). — In Africa orientali (ins. Borbonia, *Lich. exot.* p. 261). — In America boreali. — In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 14, ubi sporæ definiuntur). — Etiam in Europa.

3438. * **V. conoidea** Fr., Nyl. *Pyrenoc.* p. 53 et *Lich. Scand.* p. 280, ubi definitur; *Enum. Lich.* p. 139. = In Africa boreali (Algeria, *V. epipolæa* Nyl. *Lich. Algér.* p. 316). — Etiam in Europa.

3439. *Verrucaria limitans* Nyl. in *Flora* 1866, p. 295, et *Lich. Antill.* p. 24, ubi definitur. = In America tropica (ins. Cuba et Guadalupa).
3440. **V. glaucescens* Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).
3441. *V. subnexa* Nyl. *Lich. Andam.* p. 22, ubi definitur. = In Asia meridionali (ins. Andaman).
3442. *V. subnectenda* Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 61, ubi definitur. = In Asia orientali (Malacca).
3443. *V. anisomera* Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).
3444. *V. cinefaciens* Nyl. *Lich. Andam.* p. 21, ubi definitur. = In Asia meridionali (ins. Andaman).
3445. *V. biformis* Borr. in *Engl. Bot. Supplém.* tab. 2617, fig. 1, Nyl. *Pyrenoc.* p. 54, ubi definitur. = In America. — Etiam in Europa.
3446. **V. albo-atra* Krempelh. in herb., Nyl. in *Flora* 1867, p. 8, ubi definitur. = In Asia meridionali (Calcutta).
— Var. *detergens* Nyl. in *Flora* 1869, p. 125, ubi definitur. = In America tropica (Brasilia).
3447. *V. conformis* Nyl. in *Flora* 1864, p. 357, et *Lich. N. Zeland.* 1888, p. 132, ubi definitur. = In Oceania (Nova Zelandia). — Etiam in Europa (Gallia, *Flora* 1864, p. 357).
3448. *V. uniformis* Nyl. in *Flora* 1866, p. 295, ubi definitur. = In America tropica (ins. Cuba).
3449. *V. consobrina* Nyl. *Lich. N. Caled. Exposit.* p. 53 et *Syn.* p. 92, ubi definitur; in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).
— Var. *subglaucescens* Nyl. in litt.; *V. consobrina* var. *glaucescens* Nyl. *Syn. Lich. N. Caled.* p. 92, ubi definitur. Nomen mutatur, quia jam datum fuit, supra n° 3440. = In Oceania (Nova Caledonia).
3450. *V. holopolia* Nyl. *Syn. Lich. N. Caled.* p. 92, ubi definitur, in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

15. — Stirps *Verrucarix vagæ* Nyl.

Sporæ 8^{ae}, incolores, oblongæ vel fusiformes, raro ovoideæ, 4-septatæ; paraphyses graciles.

3451. *V. vaga* Nyl. *Pyrenoc.* p. 55 et *Syn. Lich. N. Caled.* p. 93, ubi definitur; in *Prodr. Lich. N. Caled.* p. 283 et *Exposit.* p. 54 sporæ tantum definiuntur; *Enum. Lich.* p. 139; in *Flora* 1867, p. 196. = In Africa orientali (ins. Mayotte prope Madagascar). — In Oceania (Nova Caledonia).
3452. *V. Tamarindi* Fée *Essai Supplém.* p. 85, Nyl. *Pyrenoc.* p. 56, ubi definitur. = In America tropica (Antillis).
3453. *V. albido-atra* Nyl. in *Flora* 1886, p. 178, *Contrib. da Fl. d'Afric.* p. 14 et *Lich. ins. Guin.* p. 39, ubi definitur. = In Africa occidentali (ins. San Thomé).
3454. *V. bermudana* Tuck. in manuscript., Nyl. *Sert. Lich. trop. Lab. et Singap.* p. 43, ubi definitur. = In America septentrionali (ins. Bermudis).
3455. *V. terminata* Nyl. *Lich. Andam.* p. 21, ubi definitur. = In Asia meridionali (ins. Andaman).
3456. *V. interspersa* Nyl. *Lich. Andam.* p. 22, ubi definitur. = In Asia meridionali (ins. Andaman).
3457. *V. viridiseda* Nyl. *Pyrenoc.* p. 55, ubi definitur; *Enum. Lich.* p. 139. = In America tropica (Guyana gallica).
— *F. albiseda* Nyl. *Lich. Jap.* p. 108, ubi definitur. = In America septentrionali calida (Florida).

3458. **Verrucaria subprostans** Nyl. *Pyrenoc.* p. 56 et *Prodr. Fl. N. Gran.* ed. 1^a p. 77 et ed. 2^a p. 121, ubi definitur; *Enum. Lich. Supplém.* p. 337. = In America septentrionali (Carolina et Texas) et tropica (Nova Granata).

3459. **V. phæa** Ach. *Syn. Lich.* p. 88, Nyl. *Lich. exot.* p. 233 in notula, ubi definitur. = In America tropica (India occidentali).

3460. **V. insulata** Fée *Essai Supplém.* p. 158, tab. XLIII, fig. 3, Nyl. *Pyrenoc.* p. 56 et *Prodr. Fl. N. Gran.* ed. 2^a p. 121, ubi definitur; *Enum. Lich.* p. 139. = In Asia orientali (China). — In America tropica.

3461. **V. Cinchonæ** Ach. *Syn. Lich.* p. 90, Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 122 in notula; *V. prostans* Mont. *Cryptog. guyan.* p. 47 et *Sylog.* p. 365, Nyl. *Pyrenoc.* p. 57, ubi definitur; *Enum. Lich.* p. 139; paraphyses graciles. = In Africa meridionali (promont. Bonæ Spei). — In America tropica (Peruvia, *Lich. exot.* p. 233). — In Oceania (ins. Nukahiva, *Lich. îles Marquis.* p. 302).

3462. **V. planorbis** Ach. *Syn. Lich.* p. 92, Nyl. *Pyrenoc.* p. 58, ubi definitur; *Enum. Lich.* p. 139. = In America tropica.

3463. **V. planiuscula** Nyl. in herb. Fée, *Pyrenoc.* p. 58, ubi definitur; *Enum. Lich.* p. 139; paraphyses confertæ. = In America tropica.

3464. **V. excellens** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3465. **V. subantecellens** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3466. **V. cineriseda** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3467. **V. planorbiculata** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

16. — *Leiophlæa* Ach., Nyl. in *Flora* 1878, p. 453 in notula.

1^o. — Sporæ 8^{næ}, incolores, 1-septatæ; paraphyses ordinariæ desunt.

3468. **V. epidermidis** Ach. *Syn. Lich.* p. 89, Nyl. *Pyrenoc.* p. 58, *Lich. Scand.* p. 281, in *Flora* 1876, p. 233, et *Syn.* I, tab. I, fig. 16, ubi definitur; *Enum. Lich.* p. 139. = Cosmopolita. In Asia orientali (Japonia, *Lich. Jap.* p. 92; ins. Bonin, *Prodr. Fl. N. Gran.* ed. 2^a p. 124 in notula, ubi definitur forma peculiaris). — In Africa boreali (Algeria, *Lich. Algér.* p. 316 et *Prodr. Lich. Gall.* p. 190). — In America tropica (Mexico, *Flora* 1858, p. 381). — Etiam in Europa.

— Var. **lactea** Mont., Nyl. *Addit. Fl. chil.* p. 187. = In America meridionali (Chili).

3469. **V. magnifica** Nyl. *Lich. N. Zeland.* 1888, p. 132 et fig. 5, ubi definitur. = In Oceania (Nova Zelandia).

3470. **V. fallax** Nyl. in *Flora* 1872, p. 363, ubi definitur; *V. epidermidis* var. *fallax* Nyl. *Pyrenoc.* p. 59, ubi definitur pr. p.; *Enum. Lich.* p. 139. = In Asia boreali (Konyambay, etc., *Lich. Fr. Behr.* pp. 17 et 48). — In America boreali (Port-Clarence, *Lich. Fr. Behr.* p. 68) et tropica (Mexico, *Flora* 1858, p. 381). — In Oceania, (Australia, *Flora* 1886, p. 327). — Etiam in Europa.

3471. **V. fallacior** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3472. **V. subfallens** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3473. **V. fallaciuscula** Nyl. *Lich. Jap.* p. 92, ubi definitur. = In Asia orientali (Japonia). — In America tropica (ins. Cuba, *Flora* 1876, p. 364).

3474. **V. gemellipara** Knight, Nyl. *Lich. N. Zeland.* 1888, p. 132, ubi definitur. = In Oceania (Nova Zelandia).

3475. **V. circumpressa** Nyl. *Lich. N. Zeland.* 1888, p. 132, ubi definitur. = In Oceania (Nova Zelandia).

3476. **V. analepta** Ach. *Syn. Lich.* p. 88, Nyl. *Lich. Pyren.-Orient.* p. 42, ubi defini-

tur; *V. epidermidis* var. *analepta* Nyl. *Pyrenoc.* p. 59 et *Lich. Scand.* p. 281; *Enum. Lich.* p. 139. = In America meridionali (Chili, *Addit. Fl. chil.* p. 187). — Etiam in Europa.

3477. **Verrucaria consequella** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 43. ubi definitur; vix nisi var. *V. consequentis* Nyl. in *Flora* 1864, p. 357. = In America septentrionali (Massachusetts, ubi est saxicola).

3478. **V. ceyloniensis** Nyl. *Lich. East. Asia* p. 61, ubi pro p. definitur. — *Dactyloblastus ceyloniensis* Mass. *Esame comparat. di alc. gen. di Lich.* p. 46. = In Asia meridionali (ins. Ceylonia).

3479. **V. malaccitula** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 61, ubi definitur. = In Asia orientali (Malacca).

3480. **V. punctiformis** Ach. *Syn. Lich.* p. 87, Nyl. *Lich. Pyren.-Orient.* p. 66 et *Lich. N. Zeland.* 1861, p. 259, atque 1888, p. 133, ubi definitur. = In America boreali (Port-Clarence, *Lich. Fr. Behr.* pp. 67 et 68 in notula) et septentrionali calida (Florida, *Lich. ins. Guin.* p. 51). — In Oceania (Nova Zelandia). — Etiam in Europa.

3481. **V. subatomaria** Nyl. *Lich. N. Zeland.* 1888, p. 134, et *Lich. Andam.* p. 22, ubi definitur. = In Oceania (Nova Zelandia).

3482. **V. planorbella** Nyl. *Lich. Andam.* p. 22, ubi definitur. = In Asia meridionali (ins. Andaman).

3483. **V. bryospila** Nyl. in *Flora* 1864, p. 357, et *Lich. Fr. Behr.* p. 67, ubi definitur. = In America boreali (Port-Clarence). — Etiam in Europa boreali (Norvegia).

3484. **V. prospersella** Nyl. *Lich. Jap.* p. 108, ubi definitur; species saxicola accedens ad *Arthopyreniam inconspicuam* Lahm *Westfalen Flechten* p. 149. = In America septentrionali (Illinois).

3485. **V. gemmatella** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 46, ubi definitur; est forsitan Fungillus. = In Oceania (ins. Labuan).

2°. — Sporæ 8^{nae}, incolores, ovoideæ et simplices.

3486. **V. microphora** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 124, ubi definitur. = In America tropica (Nova Granata).

3°. — Sporæ 8^{nae}, incolores, ter vel pluri-septatae.

3487. **V. subpunctiformis** Nyl. *Lich. ins. Guin.* p. 51, ubi definitur. = In America septentrionali calida (Florida).

3488. **V. majuscula** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 122 in notula et *Lich. Jap.* p. 92 atque in *Flora* 1867, p. 9, ubi definitur. = In Asia orientali (ins. Ogassawara, olim Bonin, prope Japoniam) et meridionali (Calcutta).

3489. **V. maurospila** Nyl. *Lich. N. Zeland.* 1888, p. 134, ubi definitur. = In Oceania (Nova Zelandia).

3490. **V. subfallax** Nyl. *Lich. Fueg.* p. 19 ubi definitur. = In America australi (Fuegia).

3491. **V. rhypona** Nyl. *Pyrenoc.* p. 60 et *Lich. Scand.* p. 281, ubi definitur; *Enum. Lich.* p. 139. = In Africa boreali (Algeria, *Lich. Algér.* p. 316). — Etiam in Europa.

3492. **V. Cerasi** Schrad., Ach. *Syn. Lich.* p. 89, Nyl. *Lich. Pyren.-Orient.* p. 41; *V. epidermidis* var. *Cerasi* Nyl. *Lich. Scand.* p. 281, ubi definitur; *Pyrenoc.* p. 59. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 123, ubi sporæ definiuntur). — Etiam in Europa.

3493. **V. quinque-septata** Nyl. *Pyrenoc.* p. 58, ubi definitur; *Enum. Lich.* p. 139. =

In Asia orientali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 26, ubi sporæ definiuntur). — In America septentrionali (Carolina).

3494. **Verrucaria quinque-septatula** Nyl. apud Cromb. *Ins. Rodrig.* p. 444, ubi definitur. = In Africa orientali (ins. Rodriguez).

3495. **V. zosta** Knight, Nyl. in *Flora* 1886, p. 327, ubi definitur. = In Oceania (Australia).

17. — Stirps *Verrucariæ thelenæ* Ach.

Sporæ 8^{næ}, fuscae et 1-septatæ.

3496. **V. thelena** Ach. *Syn. Lich.* p. 92, Nyl. *Pyrenoc.* p. 60, ubi definitur; *Enum. Lich.* p. 139. — In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 123, ubi forma peculiaris et sporæ definiuntur).

— **F. albidior** Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 123, ubi definitur. = In Asia orientali (China). = In America tropica (Nicaragua).

3497. **V. hymnothora** Ach. *Syn. Lich.* p. 92, Nyl. *Lich. exot.* p. 233, ubi definitur in notula. = In America meridionali (Chili, *Addit. Fl. chil.* p. 187).

3498. **V. apposita** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 123, ubi definitur. = In America tropica (Nova Granata).

3499. **V. conothelena** Nyl. *Lich. Andam.* p. 21, ubi definitur. = In Asia meridionali (ins. Andaman).

— Var. **errans** Nyl. *Lich. Andam.* p. 21, ubi definitur. = In eadem insula.

3500. **V. cinerella** Flot., Nyl. *Pyrenoc.* p. 60 et *Addit. Fl. chil.* p. 174, ubi definitur; *Enum. Lich.* p. 139. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 123, ubi sporæ definiuntur; Bolivia, *Lich. exot.* p. 232) et meridionali (Chili).

3501. **V. thelenula** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3502. **V. microthelena** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

3503. **V. miculiformis** Nyl. in *Flora* 1876, p. 364. = In America tropica (ins. Cuba).

— Var. **distincta** Nyl. in *Flora* 1876, p. 364. = In eadem regione.

3504. **V. abditula** Nyl. in litt. = In America tropica (ins. Cuba, legit Wright, n° 521).

18. — Stirps *Verrucariæ oxysporæ* Nyl.

Sporæ 8^{næ}, incolores et aciculares.

3505. **V. raphidiophora** Nyl. *Syn. Lich. N. Caled.* p. 93, ubi definitur; in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

Incertæ sedis.

3506. **V. evanidula** Nyl. in *Flora* 1887, p. 136, ubi definitur. = In Asia orientali (China). — In Africa australi (ins. Kerguelen).

Subgen. II. — *Trypethelium* Ach., Nyl. *Syn. Lich. N. Caled.* p. 94.

Sectio A. — APOTHECIA SUBSOLITARIA.

3507. **T. uberinum** Nyl. *Pyrenoc.* p. 72 et *Syn.* I, tab. I, fig. 20, ubi definitur; *Enum. Lich.* p. 144. — *Pyrenula uberina* Fée *Essai* p. 83, tab. XX, fig. 3, et *Supplém.* p. 84. = In America tropica (Peruvia, *Lich. exot.* p. 233).

3508. **Trypethelium uberinoides** Nyl. *Pyrenoc.* p. 72, ubi definitur; in *Flora* 1858, p. 381. = In America tropica (Mexico).

3509. **T. melanophthalmum** Nyl. *Pyrenoc.* p. 72 et *Syn.* I, tab. I, fig. 21, ubi definitur; *Enum. Lich.* p. 141. — *Verrucaria melanophthalma* Mont. *Sylog.* p. 363 (ex specimen auctoris, sed non ex indicatione sporarum). = In America tropica (Guyana).

— **F. arcte-cinctum** Nyl. *Pyrenoc.* p. 73, ubi definitur. — *Pyrenula arcte-cincta* Fée *Essai Supplém.* p. 84. = In America tropica.

3510. **T. megaspermum** Mont. *Cryptog. guyan.* p. 52 et *Sylog.* p. 371, Nyl. *Enum. Lich.* p. 141. — *Verrucaria globifera* Eschw. *Fl. brasil.* p. 131, Nyl. in *Flora* 1866, p. 293, ubi errore legitur *V. globulifera*. = In America tropica (ins. Cuba; Guyana; Brasilia).

Sectio B. — APOTHECIA PLURA CONNATA.

a. — Sporæ pauciloculares, typice quadriloculares.

3511. **T. anomalum** Ach. *Syn. Lich.* p. 105 pr. p., hoc est quoad specimen in Indiis lectum, nam exemplar e Guinea proveniens ad aliam speciem attinet, Nyl. in *Flora* 1865, p. 429. — *Melanotheca Achariana* Fée *Essai Supplém.* p. 71, tab. XXXVI, fig. 10, in tab. XLI fig. 1 sporæ juveniles tantum 4-septatæ indicantur; Nyl. *Pyrenoc.* p. 69, ubi definitur; *Enum. Lich.* p. 140, et *Syn. Arthon.* p. 88 in notula. — *Mycoporum Acharii* Meyer in *Spreng. Syst.* IV, p. 242. — *Porodothion Acharii* Mont. *Cub.* p. 153. = In Africa tropica (Guinea). — In America tropica (Antillis, Guyana, etc.).

3512. **T. cruentum** Mont. *Cryptog. guyan.* p. 53 et *Sylog.* 372; Nyl. *Pyrenoc.* p. 73, ubi definitur; *Enum. Lich.* p. 141. = In Asia orientali (ins. Bonin seu Ogassawara, *Verrucaria erythrothelia* Nyl. in herb. Tuck., Nyl. *Lich. Jap.* p. 93). — In America tropica (Guyana).

— **F. subdecolor** Nyl. *Lich. Jap.* p. 93, ubi definitur; materia « cruenta » chrysophanica K violaceo-dissolvitur. = In Asia orientali (ins. Bonin).

3513. **T. cruentatum** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3514. **T. cruentulum** Nyl. apud Cromb. *Ins. Rodrig.* p. 445, ubi definitur. = In Africa orientali (ins. Rodriguez).

3515. **T. subincrumentum** Nyl. *Lich. Jap.* p. 109, ubi definitur; materia cruenta K violaceo-dissolvitur. = In America septentrionali calida (Florida).

3516. **T. Scoria** Fée *Essai* p. 69 et *Supplém.* p. 61, *Monogr. Trypeth.* p. 37, tab. XV, fig. 2, Nyl. *Pyrenoc.* p. 74, ubi definitur; *Enum. Lich.* p. 141; *Tr. phlyctæna* Fée *Essai* p. 68, tab. XIX, fig. 3, et *Supplém.* p. 61 (non *Tr. phlyctenula* ut errore scripsit d^r Nylander); *Tr. Feei* Meissner, Fée *Monogr. Trypeth.* p. 33, tab. XIV fig. 2, et *Essai Supplém.* p. 60; *Tr. carolinanum* Tuck. *Syn. North Americ. Lich.* II, p. 139, ubi cum *Tr. Scoria* Nyl. sub *Tr. mastoideo* Ach. ponitur. = In America septentrionali (Carolina) et tropica (Mexico, *Flora* 1858, p. 381; Nova Granata, *Prodr. Fl. N. Gran. Addit.* p. 579; etc.).

— **F. endochraceum** Nyl. *Lich. Jap.* p. 115, et *Sert. Lichen. trop. Lab. et Singap.* p. 16, ubi spermatia definiuntur. = In Oceania (ins. Labuan).

— Var. 1. **convexum** Nyl. *Pyrenoc.* p. 74, ubi definitur. = In America tropica.

— Var. 2. **sordidius** Nyl. in *Flora* 1869, p. 126, ubi definitur. = In America tropica (Brasilia).

3517. * **T. Leprieurii** Mont. *Cryptog. guyan.* p. 52 et *Sylog.* p. 372, Nyl. *Pyrenoc.* p. 74, ubi definitur; *Enum. Lich.* p. 141. = In America tropica (Guyana gallica).

3518. **T. phæothelium** Nyl. *Prodr. Fl. N. Gran. Addit.* p. 579, ubi definitur; in *Flora* 1864, p. 618. = In America tropica (Nova Granata).

3519. **T. ochroleucum** Nyl. in *Flora* 1869, p. 126, ubi sporæ et spermatia definiuntur.

— *Verrucaria ochroleuca* Eschw. *Fl. brasil.* p. 135, quæ in Nyl. *Enum. Lich.* p. 139 sub nomine erroneo *V. ochrochlora* scribitur. — *Trypethelium pallescens* Fée *Monogr. Trypeth.* p. 31, tab. XIII, fig. 3, et *Essai Supplém.* p. 60; Nyl. *Pyrenoc.* p. 74, ubi definitur; *Enum. Lich.* p. 141; *Tr. erubescens* Kunz., Fée *Monogr. Trypeth.* p. 32, tab. XIV, fig. 1 et *Essai Supplém.* p. 60; *Tr. Kunzei* Fée *Essai Supplém.* p. 61; *Tr. quassiæcola* Fée *Monogr. Trypeth.* p. 39, tab. XV, fig. 2, et *Essai Supplém.* p. 62, nec differre videtur *Verrucaria tessella* Pers. Variat sporis 6-ocularibus. = In Asia orientali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 26, ubi pr. p. definitur) et meridionali (Calcutta, *Flora* 1867, p. 9, ubi sporæ definiuntur). — In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a, p. 79, ed. 2^a p. 127 et *Addit.* p. 579, ubi sporæ definiuntur; Brasilia). — In Oceania (ins. Marianis).

— Var. **subdissocians** Nyl. in *Flora* 1864, p. 618. = In America tropica (Nova Granata).

3520. **Trypethelium straminicolor** Nyl. *Lich. Jap.* p. 115 et *Sert. Lichen. trop. Lab. et Singap.* p. 15, ubi definitur. = In Asia orientali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 26). — In Oceania (ins. Labuan).

3521. **T. exocanthum** Tuck. *Syn. North Americ. Lich.* II, p. 140, Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 127, ubi definitur, et *Lich. Jap.* p. 109, ubi sporæ definiuntur. = In America septentrionali (Alabama et Louisiana).

3522. **T. erumpens** Fée *Monogr. Trypeth.* p. 27, tab. XIII, fig. 1, et *Essai Supplém.* p. 58, Nyl. *Pyrenoc.* p. 75, ubi definitur; *Enum. Lich.* p. 141. = In America tropica (Peruvia, *Lich. exot.* p. 233).

3523. **T. pulcherrimum** Fée *Monogr. Trypeth.* p. 41, tab. XI, fig. 2, et *Essai Supplém.* p. 63, Nyl. *Pyrenoc.* p. 75, ubi definitur; *Enum. Lich.* p. 141; *T. porosum* Fée *Essai Supplém.* p. 69, tab. XIX, fig. 2. = In America tropica (Antillis).

3524. **T. duplex** Fée *Monogr. Trypeth.* p. 28, tab. XIII, fig. 4, et *Essai Supplém.* p. 58, Nyl. *Pyrenoc.* p. 75, ubi definitur; *Enum. Lich.* p. 141. = In America tropica (Antillis).

3525. **T. triplex** Nyl. in *Flora* 1869, p. 125, ubi definitur. = In America tropica (Brasilia).

3526. **T. inconspicuum** Meissner, Fée *Monogr. Trypeth.* p. 40, tab. XVI, fig. 3, et *Essai Supplém.* p. 63, Nyl. *Pyrenoc.* p. 76, ubi definitur; *Enum. Lich.* p. 141; *Tr. crassum* Fée *Monogr. Trypeth.* p. 43, tab. XVI, fig. 5, *Essai* p. 66, tab. XIX, fig. 5. — *Pyrenodium crassum* Fée *Essai Supplém.* p. 69. = In America tropica (Peruvia, *Lich. exot.* p. 233).

3527. **T. nigritulum** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 79, ed. 2^a p. 127 et *Addit.* p. 579, ubi definitur. = In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East. Asia* p. 61). — In America tropica (Nova Granata). — In Oceania (ins. Labuan, *Lich. Jap.* p. 116 et *Sert. Lichen. trop. Lab. et Singap.* p. 17).

3528. **T. leucotrypum** Nyl. in *Flora* 1867, p. 9, ubi definitur. = In Asia meridionali (Calcutta).

3529. **T. annulare** Mont. *Cryptog. guyan.* p. 53 et *Sylog.* p. 372, Nyl. *Pyrenoc.* p. 76, ubi definitur; *Enum. Lich.* p. 141. — *Pyrenula annularis* Fée *Essai* p. 73, tab. XXI, fig. 4, et *Supplém.* p. 77. = In America tropica (ins. Guadalupa, *Lich. Antill.* p. 24; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 80 et ed. 2^a p. 127, ubi sporæ definiuntur; Bolivia, *Lich. exot.* p. 233; Brasilia, ubi viget forma peculiaris cujus sporæ definiuntur in *Flora* 1869, p. 126).

— **F. melophorum** Nyl. *Syn. Lich. N. Caled.* p. 93, ubi definitur. Definitur etiam sine nomine in *Exposit. Lich. N. Caledon.* p. 54 et typus citatur in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

— Var. **subdepressum** Nyl. *Pyrenoc.* p. 76, ubi definitur; *Lich. exot.* p. 233; *T. an-*

nulare var. *oleagineum* Nyl. *Enum. Lich.* p. 141. — *Pyrenula oleagina* Fée *Essai Supplém.* p. 79. = In America tropica (Bolivia).

3530. **Trypethelium ochrothelium** Nyl. *Prodr. Fl. N. Gran.* ed. 1^a p. 80 et ed. 2^a p. 128, ubi definitur. = In America tropica (Nova Granata).

3531. **T. ochrothelizum** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 26, ubi definitur. = In Asia orientali (Singapoure). — In America tropica (ins. Cuba, *Flora* 1876, p. 365).

3532. **T. sulbalbens** Nyl. in *Flora* 1886, p. 178, *Contrib. da Fl. d'Afric.* p. 14 et *Lich. ins. Guin.* p. 39, ubi definitur. = In Africa occidentali (ins. San Thomé).

3533. **T. scorizum** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3534. **T. acrophæum** Nyl. in *Flora* 1876, p. 365. Ad stirpem peculiarem pertinet. = In America tropica (ins. Cuba).

3535. **T. columbianum** Nyl. *Prodr. Fl. N. Gran. Addit.* p. 579, ubi definitur; in *Flora* 1864, p. 618. Tangit *Tr. uberinum* Nyl. supra n° 3507. = In America tropica (Nova Granata).

3536. **T. Sprengelii** Ach. *Syn Lich.* p. 104, Nyl. *Pyrenoc.* p. 77 et *Prodr. Fl. N. Gran.* ed. 2^a p. 128, ubi sporæ definiuntur; *Enum Lich.* p. 141; Fée *Essai* p. 65, tab. I, fig. 18, et XIX, fig. 1, *Supplém.* p. 56; Mont. *Cryptog. guyan.* p. 53. = In Asia orientali (Japonia, *Lich. Jap.* p. 93; Malacca et Japonia, Nyl. et Cromb. *Lich. East. Asia* pp. 61 et 69) et meridionali (Calcutta, *Flora* 1867, p. 9, ubi sporæ definiuntur). — In America tropica (Antillis; Guyana, *Prodr. Fl. N. Gran.* ed. 2^a p. 128, ubi sporæ definiuntur; Nova Granata, ibid. et ed. 1^a p. 80; Peruvia, *Lich. exot.* p. 233). — In Oceania (ins. Java, *Flora* 1866, p. 135).

— F. *inæquale* Nyl. *Pyrenoc.* p. 77 in notula, ubi definitur; *Tr. inæquale* Fée *Monogr. Trypeth.* p. 30, tab. XIII, fig. 2, et *Essai Supplém.* p. 59. = In America tropica (Peruvia).

— Var. 1. **Anacardii** Nyl. *Pyrenoc.* p. 77 in notula; *Enum. Lich.* p. 141; *Tr. Anacardii* Fée *Monogr. Trypeth.* p. 21, tab. XI, fig. 3, *Essai Supplém.* p. 57, tab. XL Trypeth. fig. 2. = In America tropica (ins. Guadalupa).

— Var. 2. **papillosum** Nyl. *Pyrenoc.* p. 77, ubi definitur; *Tr. papillosum* Ach. *Syn. Lich.* p. 104. = In Africa occidentali (Guinea).

3537. **T. platystomum** Mont. *Sylog.* p. 372, Nyl. *Pyrenoc.* p. 77, ubi definitur; *Enum. Lich.* p. 141. = In Asia orientali (Singapoure, Nyl. et Cromb. *Lich. East. Asia* p. 61). — In America tropica (Guyana gallica).

— F. **leucostomum** Nyl. in *Flora* 1886, p. 178, *Contrib. da Fl. d'Afric.* p. 14 et *Lich. ins. Guin.* p. 39, ubi definitur. = In Africa occidentali (ins. San Thomé).

3538. **T. virens** Tuck. *Syn. North Americ. Lich.* II, p. 139, Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 128 in notula; *Tr. Sprengelii* var. *virens* Nyl. *Pyrenoc.* p. 77, ubi definitur. = In Asia orientali (Malacca, Nyl. et Cromb. *Lich. East. Asia* p. 61). — In America tropica.

3539. **T. scorites** Tuck. *Syn. North Americ. Lich.* II, p. 139, Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 128 in notula, ubi definitur. — *Verrucaria scorites* Tuck. = In America septentrionali (Misissippi).

3540. **T. epileucodes** Nyl. *Lich. Jap.* p. 116 et *Sert. Lichen. trop. Lab. et Singap.* p. 16, ubi definitur. = In Oceania (ins. Labuan).

b. — Sporæ murali-divisæ.

3541. **T. meristoporum** Mont. et v. d. Bosch *Plant. Junghuhn.* p. 487, Mont. *Sylog.* p. 373, Nyl. *Pyrenoc.* p. 77, ubi definitur; *Enum. Lich.* p. 141. = In Oceania (ins. Java).

3542. **T. varium** Nyl. *Pyrenoc.* p. 78, ubi definitur; *Enum. Lich.* p. 141. — *Meissneria varia* Fée *Essai supplém.* p. 66. = In America tropica (Brasilia).

3543. **T. variatulum** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3544. **Trypethelium variatum** Nyl. *Prodr. Fl. N. Gran. Addit.* p. 579, ubi definitur; in *Flora* 1864, p. 618. = In America tropica (Nova Granata).

3545. **T. subvariatum** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3546. **T. madreporiforme** Eschw. *Fl. brasil.* p. 156, Nyl. *Pyrenoc.* p. 78, *Prodr. Fl. N. Gran.* ed. 1^a p. 80 et ed. 2^a p. 128 et in *Flora* 1869, p. 73, ubi definitur; *Enum. Lich.* p. 141; *Tr. marginatum* Fée *Monogr. Trypeth.* p. 24, tab. XII, fig. 2, *Essai supplém.* p. 57. = In Asia meridionali (Bengalia). — In Africa tropica. — In America tropica. — In Oceania (Nova Zelandia, *Lich. N. Zeland.* 1888, p. 134).

3547. **T. phæomelodes** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3548. **T. infuscatulum** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3549. **T. Cumingii** Mont. *Syllog.* p. 373, Nyl. *Pyrenoc.* p. 78, ubi definitur; *Enum. Lich.* p. 141. = In Oceania (ins. Philippinis).

3550. **T. sphærioides** Mont. *Cryptog. Guyan.* p. 53 et *Syllog.* p. 373, Nyl. *Pyrenoc.* p. 79, ubi definitur; *Enum. Lich.* p. 141. = In Africa tropica (Guinea). — In America tropica (Guyana).

3551. **T. porosum** Ach. *Syn. Lich.* p. 106, Nyl. *Pyrenoc.* p. 79, ubi definitur; *Enum. Lich.* p. 141. = In America tropica (India occidentali).

— **F. endoleucum** Nyl. *Pyrenoc.* p. 79, ubi definitur. — *Pyrenula endoleuca* Fée *Essai* p. 79 et *Supplém.* p. 83. = In America tropica (Antillis).

3552. **T. connivens** Nyl. *Pyrenoc.* p. 79, ubi definitur; *Lich. exot.* p. 233 et *Enum. Lich.* p. 141. = In America tropica (Peruvia).

3553. **T. subdiscretum** Nyl. in *Flora* 1869, p. 73, ubi definitur. = In Asia meridionali (Bengalia).

Gen. CXXVI. — PARATHELIUM Nyl.

3554. **P. polysemum** Nyl. in *Bot. Zeit.* 1862, p. 279, *Prodr. Fl. N. Gran.* ed. 1^a p. 78, tab. II, fig. 53, et ed. 2^a p. 126, ubi definitur. = In America tropica (Nova Granata).

3555. **P. indutum** Nyl. in *Bot. Zeit.* 1862, p. 279, *Prodr. Fl. N. Gran.* ed. 1^a p. 79, tab. II, fig. 54, et ed. 2^a p. 126, ubi definitur. = In America tropica (Nova Granata).

3556. **P. emergescens** Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

Gen. CXXVII. — THELOPSIS Nyl. *Pyrenoc.* p. 65.

3557. **T. inordinata** Nyl. in *Flora* 1867, p. 9, ubi definitur. = In Asia meridionali (Calcutta).

3558. **T. melathelia** Nyl. in *Flora* 1864, p. 258, ubi definitur. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 26). — Etiam in Europa (Scotia).

Gen. CXXVIII. — STRIGULA Fr.

3559. **S. complanata** Mont. *Cuba* p. 140, tab. VII, fig. 3, et *Syllog.* p. 375, Nyl. *Pyrenoc.* p. 65 et *Syn. Lich. N. Caled.* p. 96, ubi definitur; *Enum. Lich.* p. 140. — *Phyllocharis complanata* Fée *Essai* p. XCIX, tab. II, fig. 3. — *Stigmatidium phyllochare* Spreng. *Stat. Veget.* 4, p. 243. — *Strigula orbicularis* Fr. *Ecl. Fung.* p. 549. — *Phyllocharis elegans* Fée *Essai* p. C, tab. II, fig. 7. — *Craspedon concretum* Fée ibid. tab. II, fig. 4. — *Stigmatidium elegans* et *St. concretum* Spreng. loc. citat. — *Verrucaria epiphylla* Eschw. *Fl. brasil.* p. 141. — *Strigula Feei* Mont. *Cuba* p. 135, tab. VII, fig. 1, et *Syllog.* p. 375. Specimina pycnidifera sistunt *Strigulam melanophthalmam* Mont. *Syllog.* p. 376, *Melanophthalmum Antillarum* Fée *Essai* p. C, tab. II, fig. 2. = In omnibus fere regionibus tropicis. In Africa

occidentali (ins. San Thomé, *Contrib. da Fl. d'Afric.* p. 13 et *Lich. ins. Guin.* p. 39, et in hoc posteriore loco sporæ definiuntur). — In America tropica (ins. Cuba; Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 78 et ed. 2^a p. 125). — In Oceania (ins. Java; Nova Caledonia, *Exposit. Lich. N. Caled.* p. 54 et *Flora* 1867, p. 196).

— Var. 1. **virescens** Nyl. *Pyrenoc.* p. 67, ubi definitur; *Enum. Lich.* p. 140. — *Cephauros virescens* Kunz. = Obvenit cum typo. In Oceania (Polynesia, *Lich. exot.* p. 247).

— Var. 2. **major** Nyl. in Museo Berolinensi, *Prodr. Fl. N. Gran. Addit.* p. 578. = In America tropica (Caraccas).

3560. **Strigula Nemathora** Mont. *Cuba* p. 143 et *Sylog.* p. 375, Nyl. *Pyrenoc.* p. 67 et *Syn. Lich. N. Caled.* p. 96, ubi definitur; *Enum. Lich.* p. 140. — *Nemathora argentea* Fée *Essai* p. XCLV, tab. II, fig. 4 et 8. = In omnibus fere regionibus tropicis. In America tropica (ins. Cuba). — In Oceania (Nova Caledonia, *Exposit. Lich. N. Caled.* p. 54 et *Flora* 1867, p. 196).

3561. **S. actinoplaca** Nyl. *Pyrenoc.* p. 67 et *Sert. Lichen. trop. Lab. el Singar.* p. 27, ubi definitur; *Enum. Lich.* p. 140. = In Asia orientali (Singapoure, legit Almquist). — In America tropica (Mexico).

3562. **S. nitidula** Mont. *Cuba* p. 139, tab. VII, fig. 2, et *Sylog.* p. 375, Nyl. *Pyrenoc.* p. 68, ubi definitur; *Enum. Lich.* p. 140. = In America tropica (ins. Cuba).

3563. **S. hypothelia** Nyl. *Lich. Angol.* p. 520, ubi definitur. = In Africa meridionali (Angola).

3564. **S. Microthyrium** Mont. *Sylog.* p. 376, Nyl. *Lich. exot.* p. 247. = In Oceania (ins. Taïti).

3565. **S. ciliata** Mont. *Sylog.* p. 376, Nyl. *Lich. exot.* p. 247 et *Pyrenoc.* p. 68 in notula. = In Oceania (ins. Taïti).

Gen. CXXIX. — SARCOPIRENEA Nyl.

3566. **S. gibba** Nyl. *Pyrenoc.* p. 69, ubi definitur; *Enum. Lich. Supplém.* p. 337. — *Verrucaria gibba* Nyl. *Lich. algeriens.* p. 315, *Lich. Algér.* p. 342 et *Prodr. Lich. Gall.* p. 185, ubi definitur; *Enum. Lich.* p. 137. = In Africa boreali (Algeria). — Etiam in Europa.

Gen. CXXX. — MELANOTHECA Fée.

3567. **M. crotonicola** Nyl. in *Flora* 1865, p. 429. « Thallus macula alba subfarinosa indicatus; sporæ 8^{næ}, 3-septatæ, longit. 0,016-22 et crass. 0,007-8 millim. » = In America tropica.

3568. **M. brasiliensis** Nyl. in *Flora* 1865, p. 429. « Thallus macula albida vel pallida, nigricanti-limitata indicatus. Apothecia nigra maculari-diformia, latit. 1-2 millim. et nonnihil latiora, convexula; sporæ 8^{næ}, incolores, 4-septatæ, longit. 0,024-36 et crass. 0,011-13 millim. » = In America tropica (Brasilia, legit Martius).

3569. **M. arthoniella** Nyl. *Pyrenoc.* p. 70, ubi definitur; *Enum. Lich.* p. 140 et in *Flora* 1865, p. 429. = In America tropica (Brasilia).

3570. **M. indica** Nyl. in *Flora* 1867, p. 9, ubi definitur. = In Asia meridionali (Calcutta).

— Var. **vaga** Nyl. in *Flora* 1867, p. 9 in notula, ubi definitur. = In Asia meridionali (Calcutta).

3571. **M. gelatinosa** Nyl. *Pyrenoc.* p. 70, ubi definitur; in *Flora* 1865, p. 429; *Enum. Lich.* p. 140. — *Arthonia gelatinosa* Chev. *Fl. envir. Paris* I, p. 543. = In Asia orientali (Japonia, *Lich. Jap.* p. 93, ubi sporæ definiuntur). — In Oceania (Australia, *Flora* 1886, p. 327, ubi sporæ adhuc definiuntur). — Etiam in Europa.

3572. *Melanotheca aciculifera* Nyl. *Pyrenoc.* p. 71 et *Prodr. Fl. N. Gran.* ed. 1^a p. 79 et ed. 2^a p. 126, ubi definitur; *Enum. Lich.* et in *Flora* 1865 locis citat. = In America tropica (Guyana gallica; Nova Granata).

3573. *M. agminella* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3574. *M. opegraphella* Nyl. *Syn. Arthon.* p. 88 in notula. = In America tropica (Guyana gallica, in Museo parisiensi).

Gen. CXXXI. — ASTROTHELIUM Eschw.

Sectio A. — SPORÆ TRISEPTATÆ VEL 4-LOCULARES.

3575. *A. pyrenastræum* Nyl. *Lich. Jap.* p. 109, ubi definitur. = In America septentrionali calida (Florida).

3576. *A. conicum* Eschw. *Fl. Brasil.* p. 163, Nyl. *Pyrenoc.* p. 80, ubi definitur; *Enum. Lich.* p. 144. — *Pyrenastrum cinnamomeum* Eschw. = In America tropica meridionali.

3577. *A. leucoconicum* Nyl. in *Flora* 1869, p. 126, ubi definitur. = In America tropica (Brasilia).

3578. *A. sulphureum* Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 129 et *Addit.* p. 580, ubi sporæ definiuntur. — *Pyrenastrum sulphureum* Eschw. *Fl. brasil.* p. 144. — *Pyrenodium hypoxylon* Fée *Essai Supplém.* p. 69; *Astrothelium hypoxylon* Nyl. *Pyrenoc.* p. 80, ubi definitur; *Enum. Lich.* p. 144. Melius forsitan ad *Trypethelia* referatur, *Prodr. Fl. N. Gran.* ed. 2^a p. 128. = In America tropica (Nova Granata, *Prodr. Fl. N. Gran.* ed. 1^a p. 80; Peruvia, *Lich. exot.* p. 233).

— Var. 1. *macrocarpon* Nyl. *Pyrenoc.* p. 80, ubi definitur; *Enum. Lich.* p. 140. — *Porina macrocarpa* Fée *Essai* p. 81. — *Pyrenodium macrocarpon* Fée *Essai supplém.* p. 69. = In America tropica meridionali.

— Var. 2. *subpallescens* Nyl. *Syn. Lich. N. Caled.* p. 94, ubi definitur; in *Flora* 1867, p. 496. = In Oceania (Nova Caledonia).

3579. *A. clandestinum* Nyl. *Pyrenoc.* p. 81, ubi definitur; *Enum. Lich.* p. 144. — *Trypethelium clandestinum* Fée *Essai* p. 68, tab. XVIII, fig. 4. — *Pyrenodium clandestinum* Fée *Essai Supplém.* p. 68. = In America tropica (Peruvia, *Lich. exot.* p. 233).

3580. *A. leucothelium* Nyl. *Prodr. Fl. N. Gran. Addit.* p. 580, ubi definitur. = In America tropica (Nova Granata).

3581. **A. scorioides* Nyl. *Prodr. Fl. N. Gran. Addit.* p. 580, ubi definitur; in *Flora* 1864, p. 618. = In America tropica (Nova Granata).

3582. *A. cubanum* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3583. *A. cryptothelium* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

Sectio B. — SPORÆ PLURILOCULARES, 6-18 SEPTATÆ VEL MURALI-DIVISÆ.

3584. *A. ochrocleistum* Nyl. *Lich. N. Zeland.* 1888, p. 135, ubi definitur. = In Oceania (Nova Zelandia).

3585. *A. diplocarpum* Nyl. *Prodr. Fl. N. Gran.* ed. 2^a p. 129 in notula et *Addit.* p. 580, ubi definitur; in *Flora* 1864, p. 618. = In America tropica (Nova Granata).

3586. *A. diplocarpoides* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3587. *A. subæquans* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3588. *A. homothelium* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

3589. *A. pyrenastroides* Nyl. *Lich. N. Zeland.* 1888, p. 135 et fig. 4, ubi definitur;

Lojka *Lich. univ.* n° 149. — *Verrucaria pyrenastroides* Knight. = In America tropica (ins. Cuba, *Flora* 1876, p. 365). — In Oceania (Nova Zelandia).

3590. *Astrothelium sepultum* Mont. *Cryptog. guyan.* p. 53 et *Sylog.* p. 374, Nyl. *Pyrenoc.* p. 81, ubi definitur; *Enum. Lich.* p. 141. = In America meridionali tropica (Guyana; Peruvia, *Lich. exot.* p. 233).

3591. *A. heterophorum* Nyl. *Syn. Lich. N. Caled.* p. 94, ubi definitur; in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

3592. *A. interlatens* Nyl. *Syn. Lich. N. Caled.* p. 95, ubi definitur; *A. intercalans* Nyl. in *Flora* 1867, p. 196; *Trypethelium megaspermum* Mont. *Cryptog. guyan.* p. 52 et *Sylog.* p. 374; Nyl. *Exposit. Lich. N. Caled.* p. 54, ubi sporæ definiuntur. Sporæ binæ in thecis et fuscae. = In America tropica (Guyana). — In Oceania (Nova Caledonia).

— Var. *nudatum* Nyl. *Lich. N. Caled.* p. 95, ubi definitur; *A. intercalans* var. *denudatum* Nyl. in *Flora* 1867, p. 196. = In Oceania (Nova Caledonia).

Subtrib. II. — **Peridiei.**

Gen. CXXXII. — MYCOPORUM Flot.

Sectio A. — SPORÆ 1-SEPTATÆ.

3593. *M. marmoratum* Schl., Nyl. in *Flora* 1878, p. 344. = In Africa boreali (Algeria). — Etiam in Europa.

3594. *M. sparsellum* Nyl. *Prodr. Fl. N. Granat. Addit.* p. 575, ubi definitur; in *Flora* 1864, p. 618. = In America tropica (Nova Granata).

3595. *M. melaspileoides* Nyl. *Syn. Lich. N. Caledon.* p. 65, ubi definitur. = In Oceania (Nova Caledonia, *Flora* 1867, p. 196).

3596. *M. perminimum* Nyl. in *Flora* 1878, p. 341, ubi definitur. = In Africa boreali (Algeria).

3597. *M. abrothalloides* Nyl. *Syn. Lich. N. Caled.* p. 66, ubi definitur. = In Oceania (Nova Caledonia, *Flora* 1867, p. 196).

3598. *M. melatyllum* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 17, ubi definitur. = In Oceania (ins. Labuan).

3599. *M. melatyloides* Nyl, *Sert. Lichen. trop. Lab. et Singap.* p. 17, ubi definitur. = In Oceania (ins. Labuan).

Sectio B. — SPORÆ MURALI-DIVISÆ.

3600. *M. pycnocarpum* Nyl. in *Flora* 1858, p. 381, et *Prodr. Fl. N. Gran.* ed. 1^a p. 73 et ed. 2^a p. 111, ubi definitur, et *Addit.* p. 576; *Enum. Lich.* p. 135. = In America tropica (Mexico; Nova Granata).

— Var. *ohiense* Nyl. *Enum. Lich.* p. 135. = In America septentrionali (Ohio).

3601. *M. consimillimum* Nyl. in *Flora* 1886, p. 177, *Contrib. da Fl. d'Afric.* p. 12 et *Lich. ins. Guin.* p. 34, ubi definitur; thallus K + flavet. Affinis est illa species *M. fusco-cinereo* Nyl. apud Zwackh *Lich. Heidelb.* p. 79, *Arthoniæ fusco-cinereæ* Zwackh *Exsicc.* n° 311. = In Africa occidentali (ins. San Thomé).

3602. *M. deflexulum* Nyl. in *Flora* 1876, p. 365. = In America tropica (ins. Cuba).

Gen. CXXXIII. — ENDOCOCCUS Nyl.

3603. *E. erraticus* Nyl. *Pyrenoc.* p. 64, *Lich. Scand.* p. 283 et *Prodr. Fl. N. Gran.* ed.

2^a p. 124, ubi definitur; *Enum. Lich.* p. 140. — *Tichotecium erraticum* Mass. *Symmict. Lich. nov.* p. 94. — *Microthelia ventosicola* Mudd. *Brit. Lich.* p. 307, *Exsicc.* n° 300. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 43). — In Africa boreali (Algeria, *Quelq. Lich. Algér.* p. 217, ubi sporæ definiuntur). — In America tropica (Nova Granata). — Etiam in Europa.

3604. **Endococcus exocarpellus** Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 61, ubi definitur. = In Asia orientali (Singapoure).

3605. **E. Thalamita** Nyl. apud Cromb. *Challeng. Expedit.* p. 217, ubi definitur. = In America septentrionali (ins. Bermudis).

3606. **E. gemmifer** Nyl. *Pyrenoc.* p. 64, ubi definitur et errore scribitur *E. gemmiferus* Nyl. — *Verrucaria gemmifera* Tayl. = In Asia boreali (Konyambay, *Lich. Fr. Behr.* p. 25). — Etiam in Europa.

Gen. CXXXIV. — LEPRARIA Ach.

I. — *Thallus gonimicus.*

3607. **Dendrisocaulon bolacinum** Nyl. apud Hue *Addend. Lichenogr. europ.* p. 315. — *Collema atro-ceruleum* var. *bolacinum* Schær. *Enum. Lich. europ.* p. 249. = Supra thallum *Ricasoliæ glomuliferæ* de Notar., Nyl. *Syn.* I, p. 369.

3608. **Dendrisocaulon filicinellum** Nyl. *Lich. N. Zeland.* 1888, p. 10, ubi definitur. — *Leptogium dendroides* Nyl. in *Flora* 1867, p. 438, ubi definitur. = In Oceania (Nova Zelandia).

II. — *Thallus gonidicus.*

3609. **Leprocaulon nanum** Nyl. apud Hue *Addend. Lichenogr. europ.* p. 316. — *Stereocaulon nanum* Ach., Nyl. *Syn.* I, p. 253, ubi definitur; *Enum. Lich.* p. 97; thallus K flavet, *Sert. Lichen. trop. Lab. et Singap.* p. 43 in notula. = In Africa boreali (Algeria, *Lich. Algér.* p. 308 et *Prodr. Lich. Gall.* p. 42). — Etiam in Europa.

3610. **Leprocaulon tenellum** Nyl. *Lich. Jap.* p. 49. — *Stereocaulon tenellum* Tuck. in *Bot. Wilkes Voyag.* p. 123, tab. II, fig. 2; thallus K vix lutescit. = In Asia orientali (Japonia). — In America tropica (Peruvia).

3611. **Leprocaulon Arbuscula** Nyl. *Lich. ins. Guin.* p. 8. — *Stereocaulon Arbuscula* Nyl. *Syn.* I, p. 253, ubi definitur; *Enum. Lich.* p. 97. = In Asia (mont. Himalaya). — In Africa occidentali (ins. San Thomé). — In America tropica (ins. Cuba, *Prodr. Fl. N. Gran.* ed. 2^a p. 12).

His tribus speciebus addendum est *Leprocaulon albicans* Nyl., *Stereocaulon albicans* Th. Fr. pr. p., Nyl. supra n° 268. Huic speciei immerito jungitur a cl. Tuckerman *Syn. North Americ. Lich.* I, p. 234 *Stereocaulon tenellum* Tuck., quod a cel. Nylander propria habetur species, supra n° 3610.

3612. **Leproloma lanuginosum** Nyl. in *Flora* 1883, p. 407. — *Lichen lanuginosus* Ach. *Prodr. Lich.* p. 465. — *Amphiloma lanuginosum* Nyl. *Syn.* II, p. 52, ubi definitur et datur ut mere europæum. = In Asia orientali (Japonia, *Lich. Jap.* p. 88). — In Africa orientali (ins. Socotora, Stizenb. *Lichen. African.* p. 87, ubi indicatur etiam uterque sequens locus. — In America tropica (Brasilia). — In Oceania (Nova Zelandia). — Etiam in Europa.

3613. **Lepraria flava** Ach. *Lichenogr. univ.* p. 663; Nyl. *Lich. Jap.* p. 416. = In Oceania (ins. Labuan, *Sert. Lich. trop. Lab. et Singap.* p. 17). — Etiam in Europa.

3614. **Lepraria latebrarum** Ach. *Lichenogr. univ.* p. 665; Nyl. *Lich. N. Zeland.* 1888, p. 136. = In Oceania (Nova Zelandia). — Etiam in Europa.

3615. *Lepraria farinosa* Ach. *Lichenogr. univ.* p. 666; Nyl. *Lich. Jap.* p. 93. = In Asia orientali (Japonia). — Etiam in Europa.

In notula p. 21 *Serti Lichen. trop. Lab. et Singap.* poscit cel. Nylander *Chroolepa* (Trentepohlias), quæ Lichenes imperfectos et plerumque normaliter steriles complectuntur, sub tribu *Cænogonieorum*, tanquam appendicem, poni. Inter hos Lichenes numerantur *Leprariæ*, quæ thallos late diffusos sæpius offerunt et raro genere determinari valent.

APPENDIX

Quum pars quædam hujus operis jam prelo mandata fuisset, cel. Nylander, mense octobri, anno 1890, *Lichenes Japoniæ* in lucem edidit. Hi Lichenes a cl. Almqvist tum in Japonia, tum in ins. Labuan, illustrissimo Nordenskiöld expeditionem navis « Vega » ducente, anno 1879 collecti fuerunt. Insuper illis plures species americanas adjunxit prof. Nylander. Omnes hi Lichenes, incipiente genere Physcia n° 925 in nostro opere loco suo positi fuerunt. Convenit autem species quæ ad genera genus Physciam præcedentia attinent, nunc enumerare. Quapropter speciebus novis seu nondum indicatis novus dabitur numerus; reliquas vero jam nobis cognitæ cum suo numero proprio resumemus. Insuper, mense Augusto anni 1891, novum edidit opus cel. Nylander, scilicet *Sertum Lichenææ tropicæ e Labuan et Singapore*, complectens Lichenes a cl. Almqvist in eodem itinere ad oram Asiæ orientalis collectos et etiam nonnullas species, ex insula Labuan, quæ in priore libello omissæ fuerunt. *Pyrenocarpei* hujus posterioris operis tantum in nostro opere enumerati sunt; quapropter reliquas species simul ac Lichenes japonicos infra reperire est.

I. — *Species novæ vel quæ in hoc opere nondum enumeratæ fuerunt.*

3616. **Sirosiphon pulvinatus** de Bréb. in Kuetzing *Spec. Algar.* p. 317, Nyl. *Lich. Jap.* p. 13. = In Asia orientali (Japonia). — Etiam in Europa.

3617. **Pyrenopsis conturbatula** Nyl. *Lich. Jap.* p. 13, ubi definitur. = In Asia orientali (Japonia).

3618. **Pyrenopsis compacta** Willey, Nyl. *Lich. Jap.* p. 102, ubi definitur. = In America septentrionali (New Bedford).

3619. **Pyrenopsis phæococca** Tuck. *Syn. North Americ. Lich.* I, p. 136, Nyl. *Lich. Jap.* p. 103, ubi pro parte definitur. = In America septentrionali (Carolina septentrionali, Massachusetts et New Hampshire).

3620. **Pyrenopsis subareolata** Nyl. in *Flora* 1884, p. 391, ubi definitur; *Lich. Scand.* p. 27. = In America septentrionali (montibus Albis). — Etiam in Europa (Gallia).

3621. **Pyrenopsis hæmaleella** Nyl. in *Flora* 1882, p. 455, ubi definitur; *Euopsis hæmaleella* Nyl. in *Flora* 1877, p. 457, ubi definitur. = In America septentrionali (New Bedford, *Lich. Jap.* p. 103, ubi sporæ definiuntur). — In Europa boreali (Finlandia).

3622. **Pyrenopsis subfuliginea** Nyl. in *Flora* 1867, p. 369, ubi definitur. = In America septentrionali (New Bedford, *Lich. Jap.* p. 103, ubi sporæ definiuntur). — Etiam in Europa boreali (Finlandia).

3623. **Amphopsis phylliscina** Nyl. *Lich. Jap.* p. 101, ubi definitur. — *Pyrenopsis phylliscina* Tuck. *Syn. North Americ. Lich.* I, p. 137. Hæc species ob spermogonia sper-

mogoniis *Phyllisci* similia, a genere *Pyrenopsi* removetur et novo subgeneri adscribitur. = In America septentrionali (New Bedford).

3624. **Cladopsis melambola** Nyl. *Lich. Jap.* p. 102, ubi definitur. — *Pyrenopsis melambola* Tuck. *Syn. North Americ. Lich.* I, p. 136. = In America septentrionali (Alabama).

3625. **Magmopsis pertenella** Nyl. in *Flora* 1875, p. 102, ubi definitur. = In America septentrionali (New Bedford, *Lich. Jap.* p. 102, ubi sporæ definiuntur). — Etiam in Europa (Fennia).

3626. **Collemopsis furfurella** Nyl. in *Flora* 1881, p. 453. — *Collema furfurellum* Nyl. *Lich. Scand.* p. 28, ubi definitur. — *Pyrenopsis corallina* Willey, Tuck. *Syn. North Americ. Lich.* I, p. 137, Nyl. *Lich. Jap.* p. 102. = In America septentrionali (Massachusetts). — Etiam in Europa boreali.

3627. **Collemopsis intervagans** Nyl. *Lich. Jap.* p. 15, ubi definitur. = In Asia orientali (Japonia).

3628. **Leptogidium Moorei** Nyl. *Lich. Jap.* p. 14, ubi definitur. — *Leptogium Moorei* Hepp. Notandum est hoc genus a cel. Nylander hic in *Lichineis* et non in *Collemeis* collocari. = In Asia orientali (Japonia). — Etiam in Europa (Anglia).

3629. **Leptogium pichneoides** Nyl. *Lich. Jap.* p. 15, ubi definitur. = In Asia orientali (Japonia).

3630. **Leptogium microscopicum** Nyl. *Syn.* I, p. 122, tab. IV, fig. 17, et *Prodr. Lich. Gall.* p. 26, ubi definitur; *Enum. Lich.* p. 90 et *Supplém.* p. 333. = In Asia orientali (Japonia, *Lich. Jap.* p. 15). — Etiam in Europa.

3631. **Stenocybe euspora** Nyl. *Lich. Jap.* p. 16, ubi sporæ definiuntur. — *Calicum eusporum* Nyl. *Syn.* I, p. 160, tab. V, fig. 28, et *Prodr. Lich. Gall.* p. 32; *Enum. Lich.* p. 92; *Lich. montdorienses exsicc.* n° 2; Zwackh *Exsicc.* n° 71. = In Asia orientali (Japonia). — Etiam in Europa.

3632. **Coniocybe gracilentata** Ach., Nyl. *Syn.* I, p. 162, tab. V, fig. 43, ubi definitur; *Enum. Lich.* p. 93. = In Asia orientali (Japonia, *Lich. Jap.* p. 16, ubi sporæ definiuntur). — Etiam in Europa.

3633. **Trachylia Sancti-Jacobi** Nyl. *Lich. Jap.* p. 103, ubi definitur. — *Acolium Sancti-Jacobi* Tuck. *Syn. North Americ. Lich.* p. II, p. 137. = In America septentrionali (California).

3634. **Stereocaulon curtatum** (*Lecanocaulon*) Nyl. *Lich. Jap.* p. 18, ubi definitur; thalli fibrillæ K —, vel obsolete flavescunt. = In Asia orientali (Japonia).

3635. **Stereocaulon exutum** Nyl. *Lich. Jap.* p. 18, ubi definitur; thalli axis K —. Comparari potest cum *St. coralloide* Fr. = In Asia orientali (Japonia).

3636. **Pilophoron clavatum** Nyl. *Lich. Jap.* p. 17, ubi definitur; thallus K flavescit. = In Asia orientali (Japonia).

3637. **Cladonia corymbosa** Nyl. *Lich. Jap.* p. 20; *Cl. furcata* var. *corymbosa* Nyl. *Syn.* I, p. 207, et *Lich. Scand.* p. 56, ubi definitur. — *Cenomyce allotropa* var. *corymbosa* Ach. *Lichenogr. univ.* p. 536. = In Asia orientali (Japonia). — Etiam in Europa.

— *F. foliosa* Nyl. *Lich. Jap.* p. 20; *Cl. racemosa* f. *foliosa* Delise apud Duby *Bot. Gall.* II, p. 623; Norrlin *Herb. Lich. Fenn.* n° 435. = In Asia orientali (Japonia). — Etiam in Europa.

3638. **Schizopelte californica** Th. Fr. in *Flora* 1875, p. 143, Tuck. *Syn. North Americ. Lich.* I, p. 46, Nyl. *Lich. Jap.* p. 103, ubi definitur; thallus CaCl extus intusque bene erythrinose reagit. Hoc genus ad tribum *Roccelleorum* vel ad propriam accedentem pertinet, atque *Dispositioni systematicæ Lichenum* in principio hujus operis positæ addendum est. = In America septentrionali (California).

3639. **Alectoria prolixa** Ach., Nyl. *Lich. Jap.* p. 23; *A. jubata* var. *prolixa* Nyl. *Syn.* I, p. 280, et *Lich. Scand.* p. 72, ubi definitur; in *Flora* 1869, p. 444 datur thalli reactio erronea; vera reperitur apud Hue *Addend. Lichenogr. europ.* p. 38, thallus K =, CaCl =. = In Asia orientali (Japonia). — Etiam in Europa.

3640. **Alectoria lactinea** Nyl. *Lich. Jap.* p. 23, ubi definitur; comparari potest cum *A. prolixa* Ach., sed thallus K (CaCl) fugaciter extus violacee reagit, et intus —. = In Asia orientali (Japonia).

3641. **Alectoria oregana** Tuck., Nyl. *Lich. Jap.* p. 104, ubi definitur; thallus basi pallescens K (CaCl) —. Subsimilis est *A. prolixæ* f. *lanestri* Ach. = In America septentrionali (Oregon).

3642. **Parmelia præsoresdiosa** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 18, ubi definitur. Pertinet ad stirpem *P. perlatae* Ach. et est sat similis *P. perlatae* var. *sorediatae* Schaer. = In Asia orientali (Singapoure).

3643. **Parmelia irrugans** Nyl. *Lich. Jap.* p. 26, ubi definitur; thallus K =. Pertinet ad stirpem *P. perlatae* Ach. = In Asia orientali (Japonia).

3644. **Parmelia suberinata** Nyl. *Lich. Jap.* p. 26, ubi definitur. Pertinet ad stirpem *P. perlatae* Ach., sed ejus speciei medulla thalli *P. crinitæ* Ach., supra n° 600, similis, K e flavo ferrugineo-sanguinea evadit. = In Asia orientali (Japonia).

3645. **Parmelia leucotyliza** Nyl. *Lich. Jap.* p. 26, ubi definitur; thallus K ± et medulla CaCl —. E stirpe *P. tiliaceæ* Ach. est hæc species. = In Asia orientali (Japonia).

3646. **Parmelia lævior** Nyl. *Lich. Jap.* p. 28, ubi definitur; thallus K flavet et medulla e flavo rubescit. Stirpi *P. saxatilis* Ach. adscribenda est hæc species. = In Asia orientali (Japonia).

3647. **Parmelia adaugescens** Nyl. *Lich. Jap.* p. 28, ubi definitur; affinis *P. sulcatae* Tayl. supra n° 595, quacum reactione convenit. = In Asia orientali (Japonia).

3648. **Parmelia marmoriza** Nyl. *Lich. Jap.* p. 28, ubi definitur; hæc species ad stirpem *P. saxatilis* Ach. etiam adinet, sed forsitan affinior est *P. sinuosæ* Ach., supra n° 667; thallus extus K —, intus autem e flavo rubricosus evadit. = In Asia orientali (Japonia).

3649. **Parmelia exasperata** de Notar., Nyl. *Syn.* I, p. 396 et *Lich. Scand.* p. 402, ubi definitur; *P. olivacea* var. *exasperata* Nyl. *Enum. Lich.* p. 405. — *Collema exasperatum* Ach. *Lichenogr. univ.* p. 645. — *Parmelia olivacea* var. *aspidota* Ach. *Lichenogr. univ.* p. 403; medulla thalli CaCl —. = In Asia orientali (Japonia). — Etiam in Europa.

3650. **Parmelia japonica** Tuck. *Syn. North Americ. Lich.* II, p. 142, Nyl. *Lich. Jap.* p. 30. Subgeneri *Anziæ* Parmeliarum, supra n° 753-759, annumeranda est hæc species. = In Asia orientali (Japonia).

3651. **Sticta insinuans** Nyl. *Lich. Jap.* p. 30, ubi definitur; thallus K — et medulla K (CaCl) sat erythrinose reagit. Hæc species prope *S. damæcormem* var. *sinuosam* Nyl. supra n° 817, locanda est. = In Asia orientali (Japonia).

3652. **Ricasolia adscripturiens** Nyl. *Lich. Jap.* p. 31, ubi definitur; vix nisi subspecies *R. adscriptæ* Nyl., supra n° 876; medulla K (CaCl) erythrinose reagit. = In Asia orientali (Japonia).

3653. **Nephromium murayamanum** Nyl. *Lich. Jap.* p. 32, ubi definitur; medulla K —. = In Asia orientali (Japonia).

3654. **Physcia dissidens** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 36, ubi definitur. Ea species, cujus thallus K —, generis novi vel subgeneris, fere *Lecanora* videtur; accedit quodam modo ad *Ph. balaninam* Nyl., supra n° 989. = In America septentrionali calida (Mexico).

3655. *Coccocarpia imbricascens* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 19 in notula, ubi definitur. Species comparanda cum *C. blepharophora* Nyl., *Lecidea blepharophora* Nyl., supra n° 1901; thallus K vage ferruginascit. = In herbario Schimper sine loco indicato.

3656. *Lecanora castaniza* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 36, ubi definitur; thallus K —. Pertinet hæc species ad stirpem *L. circinatæ* Ach., supra n° 1343. = In America septentrionali calida (Mexico).

3657. *Lecanora japonica* Tuck., Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 35, ubi definitur; thallus K flavet et epilhecium CaCl —. Accedit ad *L. albellam* Ach., supra n° 1380, vel ad *L. casio-rubellam* Ach., n° 1382. = In Asia orientali (Japonia).

3658. *Lecanora thelococcoides* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 37, ubi definitur. Hæc species videtur ad stirpem *L. cervinæ* Ach., supra n° 1513, pertinere. = In America septentrionali (California).

3659. *Ascidium interponendum* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 20, ubi definitur; subsimile est *A. domingensi* Fée, supra n° 1795, et illius thallus K lutescit atque iodo sporæ colorantur. = In Asia orientali (Singapoure).

3660. *Crocynia pyxinoides* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 37, ubi definitur. (Genus *Crocynia* ponitur supra n° 1848). = In America tropica (ins. Cuba, legit Wright n° 145).

3661. *Lecidea subbreviscula* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 40, ubi definitur: comparanda est hæc species cum *L. Fendleri* Tuck., supra n° 1885. = In America tropica (ins. Cuba, legit Wright n° 120).

3662. *Lecidea glabriuscula* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 40, ubi definitur. Subsimplis dicitur *L. brevisculæ* Nyl., supra n° 1887. = In America tropica (ins. Cuba, legit Wright, n^{is} 726 et 727).

3663. *Lecidea pelomela* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 38, ubi definitur. Subsimplis est sequenti speciei. = In America tropica (ins. Cuba, legit Wright, n° 138 a).

3664. *Lecidea subfurfurosa* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 38, ubi definitur. Species illa accedit ad stirpem *L. hypomele* Nyl., supra n° 1919. = In America tropica (ins. Cuba, legit Wright, n° 128; Nyl. in litt.).

3665. *Lecidea gyalizella* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 38, ubi definitur. Ea species videtur e stirpe *Biatoræ adpressæ* Hepp *Flecht. europ.* n° 277. = In America septentrionali (New Bedford).

3666. *Lecidea lividula* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 39, ubi definitur. Hujus speciei thallus K flavet. = In America septentrionali calida (Florida).

3667. *Lecidea insimilans* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 38, ubi definitur. Pertinet hæc species ad stirpem *L. sphaeroidis* Sommerf. supra n° 2050. = In America tropica (ins. Cuba, legit Wright, n° 139).

3668. *Lecidea rubello-virens* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 21, ubi definitur. Ea species est ex eadem stirpe ac præcedens et facie fere *L. comparandæ* Nyl., supra n° 2081. = In Asia orientali (Singapoure).

3669. *Lecidea subspadicea* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 39, ubi definitur. Non est forsitan nisi subspecies *L. spadiceæ* Tuck., supra n° 2134. = In America septentrionali calida (Florida).

3670. *Lecidea subpar* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 39, ubi definitur. Affinis est hæc species *L. hostheleoidi* Nyl., supra n° 2161. = In America tropica (ins. Cuba, legit Wright, n° 114).

3671. *Lecidea incomptula* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 40, ubi definitur.

Est etiam hæc species e stirpe *L. luteolæ* Ach. = In America tropica (ins. Cuba, legit Wright, n° 113).

3672. **Lecidea combinans** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 40, ubi definitur. Prope *L. ischnosporam* Nyl., supra n° 2184; locum tenet hæc species. = In America tropica (ins. Cuba legit Wright, n° 101.)

3673. **Lecidea leptoclinella** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 8, ubi definitur. Ea species *L. nigritulæ* Nyl. supra n° 2423, subsimilis dicitur. = In Oceania (ins. Labuan).

3674. **Lecidea destituta** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 41, ubi definitur. Hæc species est incertæ sedis et forsitan ad viciniam *Lecanoræ conioptæ* Nyl. in *Flora* 1873, p. 19 pertinet. = In America septentrionali (Illinois).

3675. **Lecidea cohibilis** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42, ubi definitur. Est subspecies *L. atro-albæ* Flot., supra n° 2506, a qua thallo K flavente et non dein rubescente differt; medulla iodo tingitur. = In America septentrionali (ditione Tennessee).

3676. **Lecidea interposita** Nyl. in litt.; *L. interponens* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42, ubi definitur. Posterius illud nomen mutandum erat utpote jam adhibitum, ut videre est supra n° 2158. Illius thallus K — et medulla I —, atque est subspecies *L. lavatæ* Ach., supra n° 2516. = In America septentrionali (ditione Tennessee).

3677. **Graphis singaporina** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 23, ubi definitur. Facie *Gr. dissidentis* Nyl. supra n° 2593, tangit hæc species *Gr. assimilem* Nyl. et *Gr. anguilliformem* Tayl. n° 2572 et 2610 = In Asia orientali (Singapoure).

3678. **Lecanactis flexans** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 23, ubi definitur. Subsimplis dicitur hæc species *Graphidi flexuosæ* Nyl., supra n° 2639, atque observandum est hæc vox generica *Lecanactis* a celeb. Nylander recentius derelicta, ut videre est supra n° 2802, ab illo nunc frequenter usurpari ad designandas species quæ pro maxima parte ad stirpem *Graphidis dendriticæ* Ach. attinent. = In Asia orientali (Singapoure).

3679. **Graphis leucolyta** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 24 in notula, ubi definitur. In stirpe *Gr. frumentariæ* Fée locum habet hæc species. = In Asia orientali (Malacca).

3680. **Graphis syngraphizans** Wright *Cub.* in herbario. Sic descripta fuit hæc species a celeb. Nylander in litt. «Thallus macula glaucescenti-pallida indicatus. Apothecia erumpentia, lanceolata, albo-suffusa, latit. 0,5 millim., forma thalodeo-marginata; sporæ fusæ, ellipsoideæ, oblongæ, 6-loculares, longit. 0,018-22 et crassit. 0,010 millim., iodo obscuriores. In stirpe *Gr. frumentariæ* Fée locum tenet hæc species sed ejus nomea non bonum, nam in hac nihil syngraphizans inest.» = In Asia orientali (insulis Bonin, nunc Ogassawara nuncupatis, ubi est corticola et lecta fuit a Wright in *U. S. North. Pacific Expedition* under Ringgold and Rodgers in annis 1853-1856). Hoc specimen in Museo parisiensi asservatur æque ac alia *Graphis* ex eodem loco et eadem expeditione proveniens cui a Wright nomen *Graphis leuocordia* impositum fuit. In hac posteriore *Graphidem Chrysenteron* Mont., supra n° 2703, sporis destitutam, celeb. Nylander recognovit.

3681. **Arthonia aleurella** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 22, ubi definitur. Affinis est illa nova species *A. aleurocarpæ* Nyl., supra n° 3019. Iodo thallus et apothecia colorantur, atque sporæ fulvo-rubescunt. = In Asia orientali (Singapoure).

3682. **Arthonia subbessalis** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 23, ubi definitur. Affinis dicitur ea nova species *A. fusco-nigræ* Nyl. et *A. bessali* Nyl., supra n° 3087 et 3088. = In Asia orientali (Singapoure).

3683. **Glyphis duodenaria** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 25, ubi defi-

nitur. Subsimilis est illa nova species *Gl. heteroclita* Mont. vel *Gl. labuanæ* Nyl., supra n^o 3142 et 3143. = In Asia orientali (Singapoure).

3684. **Verrucaria fusco-nigricans** Nyl. in herb. Tuck. «Thallus fuscus vel cervino-brunneus, vel brunneo-nigrescens, sat tenuis, areolato-rimosus, subopacus vel opacus, areolis contiguis planis (lateribus contiguis et hypothallo nigris). Apothecia immersa, pallida, pyrenio integre fuscescente vel pallido, extus parum vel vix visibilia; sporæ ellipsoideæ, longit. 0,011-13 et crassit. 0,006-7 millim.; gelatina hymenialis iodo vinose rubescente. Thallus crassitie fere 0,25 millim.; facie sicut in *V. fuscula* Nyl. vel in *V. viritula* Ach. ». Est e stirpe *V. nigrescentis* Pers. = In America septentrionali calida (Texas, supra saxa calcarea, Tuckerman).

3685. **Verrucaria micula** Flot. in litt. ad Koerb., Nyl. apud Hue *Addend. Lichenogr. europ.* p. 300, ubi sporæ definiuntur, et apud Norrlin *Tavastl. Flora* p. 195, ubi datur ut subspecies *V. cinerellæ* Flot., supra n^o 3500; Stizenb. *Lichen. African.* p. 229. = In Africa orientali (ins. Socotora et Madagascar). — In America septentrionali et meridionali (Paraguay). — Etiam in Europa.

3686. **V. stenobola** Nyl. in litt. «Thallus macula albida indicatus; apothecia pyrenio dimidiatim nigro (latit. circit. 0,3 millim.); sporæ 8^{ae} tenuiter aciculares (obsolete vel vix septatulæ, subrectæ, longit. 0,070 et crass. 0,002 millim.; gelatina hymenialis iodo non tingitur vel lutescit. Accedit hæc species ad *V. raphidiophoram* Nyl., supra n^o 3505 », = In Asia meridionali (ins. Ceylonia, ubi est corticola et lecta fuit a cl. Almqvist).

3687. In secundæ Familiæ sexta Tribu cui nomen *Collemei*, tria addenda sunt genera quæ singula singulam mere europæam speciem continent, scilicet: 1^o *SYNALISSINA* Nyl. in *Flora* 1883, p. 134, et apud Hue *Addend. Lichenogr. europ.* p. 13, cujus unica species, *S. intricata* Nyl., *Omphalaria intricata* Arnold *Exsicc.* 399, in Tyrolia atque in Scotia collecta fuit. 2^o *SYNALISSOPSIS* Nyl. apud Stizenb. *Lich. helvet.* p. 5, genus cui attribuitur *S. picina* Nyl., *Collema picinum* Nyl. *Prodr. Lich. Gall.* p. 19 et *Syn.* I, p. 96, ubi definitur, et *Enum. Lich.* p. 88, *C. pulposum* var. *diffRACTO-areolatum* Schær. *Enum. Lich. europ.* p. 259, in Gallia (Neustria) et in Helvetia vigens. Illius thallus tenuis, effusus; apothecia endocarpea et thecæ polysporæ. 3^o *Psoropsis* Nyl. apud Zwackh *Lich. Heidelb.* p. 4. Hoc genus a *Collemopsi* differt sicut *Cladopsis* a *Pyrenopsi*, id est thallo papilloso (Nyl. in litt.); ejus unica species, *Ps. Rehmicæ* Nyl., *Psorotichia Rehmicæ* Mass. *Miscell.* p. 23, *Zw. Lich. exsicc.* n^o 250 et Anzi *Lich. rarior. Veneti* n^o 16, ex Italia et Germania provenit. Proinde que genera in hac sexta Tribu sequenti ordine disponenda sunt :

Synalissina Nyl.

Synalissa Dur.

Synalissopsis Nyl.

Paulia Fée.

Omphalaria Dur. et Mont.

Collemopsis Nyl.

Psoropsis Nyl.

Anema Nyl., etc.

Inde patet quinque genera *Dispositioni systematicæ Lichenum* quæ in initio hujus operis ponitur addenda esse, nempe tria modo enumerata et insuper *Crocyniam* Ach. et *Schizopelten* Th. Fr., supra n^o 1848 et 3638. Insuper secundæ tribui addendum est novum subgenus *Amphopsis* de quo agitur supra n^o 3623.

II. — Species in hoc opere jam indicatæ.

1^b. **Sirosiphon saxicola** Næg. = In Asia orientali (Japonia, *Lich. Jap.* p. 13).

- 20^b. **Pyrenopsis polycocca** Nyl. *Lich. Jap.* p. 102, ubi sporæ definiuntur; hæc species in Nyl. *Syn.* I, p. 96 et in Hue *Lich. exot.* supra n° 20, sub genere *Synalissa* ponitur.
- 44^b. **Collema flaccidum** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 14); et meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 17).
- 45^b. **Collema subconveniens** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 14, ubi sporæ definiuntur).
- 61^b. **Collema nigrescens** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 14, ubi sporæ definiuntur).
- 71^b. **Collema thysanæum** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 14, ubi sporæ definiuntur).
- 80^b. **Dichodium byrsinum** Nyl. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 18).
- 100^b. **Leptogium tremelloides** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 15). — Var. **pichneum** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 15).
- 101^b. **Leptogium azureum** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 15).
- 115^b. **Leptogium Menziesii** Mont. = In Asia orientali (Japonia, *Lich. Jap.* p. 14).
- 130^b. **Leptogium muscicola** Fr. = In Asia orientali (Japonia, *Lich. Jap.* p. 15, ubi sporæ definiuntur).
- 149^b. **Calicium hyperelloides** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 16). — Etiam in Europa (Lusitania).
- 155^b. **Calicium curtum** Borr. = In Asia orientali (Japonia, *Lich. Jap.* p. 16).
- 179^b. **Sphærophoron compressum** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 16).
- 182^b. **Sphærophoron coralloides** forma **meiophorum** Nyl. *Lich. Jap.* p. 16, ubi definitur; thalli medulla I —. = In Asia orientali (Japonia).
- 188^b. **Bæomyces rufus** var. **subsquamulosus** Nyl. in *Flora* 1877, p. 463; thallus K flavescit. = In Asia orientali (Japonia, *Lich. Jap.* p. 16). — Etiam in Europa.
- 195^b. **Bæomyces roseus** Pers. = In Asia orientali (Japonia, *Lich. Jap.* p. 16).
- 232^b. **Stereocaulon ramulosum** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 17).
- 237^b. **Stereocaulon proximum** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 18).
- 240^b. **Stereocaulon mixtum** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 18).
- 248^b. **Stereocaulon paschale** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 18).
- 256^b. **Stereocaulon japonicum** Th. Fr., Nyl. *Lich. Jap.* p. 18. = In Asia orientali (Japonia). — In Oceania (ins. Java).
- 257^b. **Stereocaulon denudatum** Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 18).
- 278^b. **Cladonia pyxidata** f. 2. **chlorophæa** Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 19).
- 281^b. **Cladonia decorticata** Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).
- 284^b. **Cladonia cariosa** Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).
- 285^b. **Cladonia subcariosa** Nyl. *Lich. Jap.* p. 20; thallus et præsertim podetia K e flavo ferruginascunt. Vix differt *Cl. glaucina* Coem., quæ est sterilis. = In Asia orientali (Japonia).
- 287^b. **Cladonia fimbriata** Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 19).
- 288^b. **Cladonia ochrochlora** Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 19).
- F. 2. **ceratodes** Floerke, Coemans *Cladon. Belg.* n° 81. = In Asia orientali (Japonia, *Lich. Jap.* p. 19).

— F. 3. *phyllostrata* Floerke, Zwackh *Exsicc.* n° 563. = In eadem regione, *Lich. Jap.* p. 19).

293^b. *Cladonia gracilis* f. 6. *phyllophora* Floerke; *Cl. anthocephala* Del. = In Asia orientali (Japonia, *Lich. Jap.* p. 19).

294^b. *Cladonia chordalis* Floerke; *Cl. gracilis* f. *chordalis* Nyl. *Lich. Jap.* p. 19; thallus K —. = In Asia orientali (Japonia).

295^b. *Cladonia verticillata* Hoffm., Nyl. *Lich. Jap.* p. 20; thallus K flavet. Est subspecies *Cl. cervicornis* Schær., et ab ea distinguenda est *Cl. subverticillata* Nyl. adtinens ad analogam *Cl. soboliferam* Nyl., cujus thallus K —. = In Asia orientali (Japonia).

296^b. *Cladonia sobolifera* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).

299^b. *Cladonia cervicornis* Schær. = In Asia orientali (Japonia, *Lich. Jap.* p. 19).

315^b. *Cladonia furcata* Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).

316^b. *Cladonia racemosa* Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).

317^b. *Cladonia adspersa* Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).

322^b. *Cladonia scabriuscula* Del. = In Asia orientali (Japonia, *Lich. Jap.* p. 20).

329^b. *Cladonia squamosa* Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 21).

331^b. *Cladonia delicata* Floerke. = In Asia orientali (Japonia, *Lich. Jap.* p. 21).

340^b. *Cladonia cornucopioides* Fr. = In Asia orientali (Japonia, *Lich. Jap.* p. 21).

350^b. *Cladonia bacillaris* Nyl. = In Asia boreali (Japonia, *Lich. Jap.* p. 21).

363^b. *Cladina rangiferina* Nyl. *Lich. Jap.* p. 21; thallus K flavet. = In Asia orientali (Japonia).

— F. 3. *dealbata* Coem. *Cladon. Belg.* n° 138, Nyl. *Lich. Jap.* p. 21. = In Asia orientali (Japonia). — Etiam in Europa.

364^b. *Cladina sylvatica* Nyl. *Lich. Jap.* p. 21; thallus K —. = In Asia orientali (Japonia).

— F. *subpumosa* Coem. *Cladon Belg.* n° 163, Nyl. *Lich. Jap.* p. 21; thallus K —. = In Asia orientali (Japonia). — Etiam in Europa.

375^b. *Cladina uncialis* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 21).

382^b. *Cladia aggregata* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 21).

426^b. *Ramalina calicaris* Fr. = In Asia orientali (Japonia, *Lich. Jap.* p. 21).

427^b. *Ramalina farinacea* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 22).

458^b. *Ramalina cuspidata* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 22).

461^b. *Ramalina pusilla* Le Prév. = Etiam in Europa (in Gallia occidentali et meridionali; in ins. Noirmoutier lecta fuit a doctore Viaud-Grandmarais et edita in exsiccatis Arnold n° 968 et Zwackh n° 1440).

464^b. *Ramalina geniculata* Hook. et Tayl. = In Asia orientali (Japonia, *Lich. Jap.* p. 22).

492^b. *Usnea florida* Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 22)

501^b. *Usnea articulata* Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 22).

503^b. *Usnea ceratina* = Ach. In Asia orientali (Japonia *Lich. Jap.* p. 22). Habitatio in Chili referenda est ad priorem varietatem hujus speciei.

506^b. *Usnea longissima* Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 22).

513^b. *Neuropogon melaxanthus* Nyl. f. *sulphurea* Nyl. scribi debet f. *sulphureus* Nyl.

518^b. *Cetraria crispa* var. 2. *subtubulosa* Fr. = In Asia orientali (Japonia, *Lich. Jap.* p. 22).

531^b. *Platysma collatum* Nyl. *Lich. Jap.* p. 23, ubi denuo definitur. = In Asia orientali (Japonia).

- 535^b. **Platysma nephromoides** Nyl. *Lich. Jap.* p. 24; Hook. et Thoms. *Ind. orient* 2020; thallus K =, K (CaCl) +. = In Asia orientali (Japonia).
- 542^b. **Platysma ciliare** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 24).
- 544^b. **Platysma sæpincola** Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 25).
- 545^b. **Platysma ulophyllum** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 25).
- 547^b. **Platysma Fahlunense** forma **insolitum** Nyl. *Lich. Jap.* p. 25, ubi definitur; medulla thalli K —. = In Asia orientali (Japonia).
- 551^b. **Platysma Pinastri** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 23).
- 553^b. **Platysma glaucum** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 24).
- 554^b. **Platysma lacunosum** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 24).
- 555^b. **Platysma septentrionale** Nyl. *Lich. Jap.* p. 24; thallus K flavet, medulla K (CaCl) leviter vel vix erythrinose reagit. = In Asia orientali (Japonia).
- 563^b. **Alectoria chalybeiformis** Ach.; *A. proluxa* var. *chalybeiformis* Nyl. *Lich. Jap.* p. 23. = In Asia orientali (Japonia).
- 565^b. **Alectoria sulcata** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 23, ubi sporæ definiuntur).
- 566^b. **Alectoria ochroleuca** Nyl. *Lich. Jap.* p. 23; thallus K (CaCl) extus flavet. = In Asia orientali (Japonia).
- 567^b. **Alectoria osteina** Nyl. *Lich. Jap.* p. 22; thalli medulla K (CaCl) erythrinose reagit. = In Asia orientali (Japonia).
- 568^b. **Alectoria sarmentosa** Ach., Nyl. *Lich. Jap.* p. 23; medulla K (CaCl) leviter erythrinose reagit. = In Asia orientali (Japonia).
- 577^b. **Evernia thamnoides** Flot.; *E. mesomorpha* Nyl. *Lich. Jap.* p. 25; thallus K (CaCl) extus nonnihil flavescit. = In Asia orientali (Japonia).
- 580^b. **Parmelia caperata** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 25).
- 591^b. **Parmelia subaurulenta** Nyl. *Lich. Jap.* p. 25, ubi sporæ definiuntur. = In Asia orientali (Japonia et China).
- 595^b. **Parmelia perforata** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 26) et meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 18).
- 599^b. **Parmelia perlata** Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 26).
— Var. 4. **platysmoides** Nyl. in herb. *Soc. bot. France* et apud Stizenb. *Lich. ins. Maderæ* p. 7. et *Lichen African.* p. 53. = In Africa occidentali (ins. Teneriffa et Madera).
- 602^b. **Parmelia cetrarioides** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 26).
- 606^b. **Parmelia tinctorum** Despr. = In Asia orientali (Japonia, *Lich. Jap.* p. 26) et meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 18).
- 615^b. **Parmelia martinicana** Nyl. In exemplaribus hujus operis seorsim impressis hæc species nomine erroneo *P. martinica* Nyl. vocatur.
- 638^b. **Parmelia adducta** Nyl. *Lich. Jap.* p. 27; thallus K =. = In Asia orientali (Japonia, sed ibi sterilis, proindeque incerta).
- 641^b. **Parmelia sublævigata** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 27).
- 652^b. **Parmelia scortella** Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 27, ubi definitur).
- 653^b. **Parmelia lævigata** Ach., Nyl. *Lich. Jap.* p. 27; *Lichen lævigatus* Sm.; thalli medulla K (CaCl) nonnihil erythrinose reagit. = In Asia orientali (Japonia).
- 671^b. **Parmelia lævigatula** Nyl. *Lich. Jap.* p. 27; thallus K supra flavet, medulla autem CaCl erythrinose et K (CaCl) magis intensive erythrinose tingitur. Ibi sterilis ideoque incerta. = In Asia orientali (Japonia).
- 694^b. **Parmelia saxatilis** forma **divaricata** Del., Nyl., *Lich. Jap.* p. 27, ubi deficitur. = In Asia orientali (Asia).

- 696^b. *Parmelia fraudans* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 28).
 702^b. *Parmelia conspersa* Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 704^b. *Parmelia subconspersa* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 708^b. *Parmelia Mougeotii* Schær. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 721^b. *Parmelia olivacea* Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 727^b. *Parmelia stygia* Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 730^b. *Parmelia lanata* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 737^b. *Parmelia arizonica* Nyl. *Lich. Jap.* p. 104, ubi definitur; thallus K flavescit et medulla K ferrugineo-tingitur. — *Omphalodium arizonicum* Tuck. = In America septentrionali (Arizona et non in Brasilia, ut errore scripsi sub numero 737 hujus operis).
 738^b. *Parmelia physodes* Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 739^b. *Parmelia vittata* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 29).
 748^b. *Parmelia pertusa* Schær., Nyl. *Lich. Jap.* p. 30; thallus K flavescit. = In Asia orientali (Japonia).
 — F. *subimpertusa* Nyl. *Lich. Jap.* p. 30, ubi definitur. = In Asia orientali (Japonia).
 751^b. *Parmelia hypotrypa* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 30).
 767^b. *Lobaria retigera* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 31).
 781^b. *Stictina Mougeotiana* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 31).
 844^b. *Sticta aurata* Ach. = In Asia orientali (Japonia, *Lich. Jap.* p. 30).
 864^b. *Ricasolia Wrightii* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 31).
 876^b. *Ricasolia adscripta* Nyl. *Lich. Jap.* p. 31, ubi sporæ definiuntur; thallus K (CaCl) —. = In Asia orientali (Japonia).
 889^b. *Nephromium tomentosum* f. *rameum* Nyl. *Syn.* 1, p. 319, ubi definitur. — *Nephroma resupinatum* var. *rameum* Schær. *Enum. Lich. europ.* p. 18. = In Asia orientali (Japonia, *Lich. Jap.* p. 32, ubi sporæ definiuntur). — Etiam in Europa.
 889^b. *Nephromium helveticum* Nyl. *Lich. Jap.* p. 32, — *Nephroma helvetica* Ach. *Lichenogr. univ.* p. 523. = In Asia orientali (Japonia).
 890^b. *Nephromium lævigatum* Nyl. *Lich. Jap.* p. 32. — *Nephroma lævigata* Ach. *Syn. Lich.* p. 242. = In Asia orientali (Japonia).
 891^b. *Nephromium parile* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 32).
 901^b. *Peltigera rufescens* Hoffm. = In Asia orientali (Japonia, *Lich. Jap.* p. 32).
 907^b. *Peltigera dolichorrhiza* Nyl. = In Asia orientali (Japonia, *Lich. Jap.* p. 32).
 950^b. *Physcia crispa* Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 4).
 1004^b. *Physcia picta* Nyl. Locis in Asia meridionali citatis addendum est nomen Singapoure et delendum Malacca, quod ad formam sequentem pertinet.
 — F. 1. *foliicola* Cromb., Nyl. et Cromb. *Lich. East. Asia* p. 52. = In Asia meridionali (Malacca).
 — F. 2. *sorediata* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 48; thallus K ±. = In Asia meridionali (Singapoure).
 1007^b. *Physcia cæσιο-picta* Nyl. Ad hanc speciem e China pertinet ut synonymon *Ph. picta* f. *sorediifera* Nyl., Nyl. et Cromb. *Lich. East. Asia* p. 62.
 1056^b. *Pannaria pannosa* Del. = In Asia meridionali (Singapoure, *Sert. Lich. trop. Lab. et Singap.* p. 19).
 1098^b. *Coccocarpia ciliolata* Mont. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 18, ubi pro parte definitur. — In Oceania (ins. Labuan, *Sert. Lich. trop. Lab. et Singap.* p. 4).
 1134^b. *Psoroma discernens* Nyl. *Sert. Lichen. trop. et Singap.* p. 4, ubi definitur. = In Oceania (ins. Labuan).

- 1271^b. **Lecanora xanthophæa** Nyl. = In America septentrionali (ditione Tennessee, *Sert. Lichen. trop. Lab. et Singap.* p. 35, ubi sporæ definiuntur).
- 1279^b. **Lecanora sophodes** Ach. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 4, ubi sporæ definiuntur).
- 1352^b. **Lecanora subcrenulata** Nyl. = In Oceania (ins. Java et ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 4, ubi pro parte definitur).
- 1420^b. **Lecanora lutescens** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 4, ubi definitur).
- 1546^b. **Lecanora punicea** Ach. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 19).
- 1606^b. **Pertusaria marginata** Nyl. Ab hac specie non differunt *P. propinqua* Muell. et *P. laqueata* Muell., Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 35.
- 1622^b. **Pertusaria Wulfenii** f. 2. **rupicola** Nyl. Post hæc verba : In Asia orientali Japonia, addendum est : *Lich. Jap.* p. 55).
- 1624^b. **Pertusaria achroiza** Nyl. Addendum est in hac specie sporas variare *4^{nas}* in thecis, *Prodr. Fl. N. Gran.* ed. 2^a p. 125.
- 1693^b. **Thelotrema cavatum** Ach., Nyl. *Sert. Lichen. trop. Lab. et Singap.* pp. 5 et 19, ubi sporæ definiuntur. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).
- 1694^b. **Thelotrema dolichosporum** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 5, ubi pro parte definitur).
- 1725^b. **Thelotrema pycnophragmium** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 5, ubi definitur. = In Oceania (ins. Labuan).
- 1726^b. **Thelotrema terebratum** Ach., Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 19. = In Asia meridionali (Singapoure). — In America tropica (ins. Cuba).
— *F. subminescens* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 5, ubi definitur. = In Asia meridionali (Singapoure). — In America tropica (ins. Cuba).
- 1734^b. **Thelotrema dolichotatum** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 19, ubi definitur. = In Asia meridionali (Singapoure).
- 1758^b. **Thelotrema subgeminum** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 5, ubi sporæ definiuntur; *T. monosporum* var. *subgeminum* Nyl. *Syn. Lich. N. Caled.* p. 38. = In Oceania (ins. Labuan).
- 1796^b. **Ascidium xanthostroma** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 20, ubi definitur; *A. rhodostroma* var. *xanthostroma* Nyl. = In America tropica (ins. Cuba, legit Wright, n° 33).
- 1797^b. **Ascidium majorinum** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 30, ubi definitur; thallus K sublutescit. = In Asia meridionali (Singapoure).
— *F. longius* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 20, ubi definitur. = In Asia meridionali (Singapoure).
- 1798^b. **Ascidium xanthostromizum** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 20, ubi definitur. = In Asia meridionali (Singapoure).
- 1799^b. **Ascidium Cinchonarum** Fée. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 5, sed hæc species ibi est dubia utpote sporis destituta).
- 1804^b. **Ascidium depressum** Nyl. — *Thelotrema depressum* Mont. *Cryptog. guyan.* p. 55 et n° 240 necnon *Syllog.* p. 362, proindeque addenda est sub hac specie habitatio : In Guyana gallica, et delendum est *Thelotrema depressum* Nyl. *Enum. Lich.* p. 418, quod supra n° 1745 ponitur.
- 1805^b. **Ascidium monobaetrium** Nyl. var. **meizobaetrium** Nyl. et var. **subgranulatum** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 6, ubi definiuntur. = In Oceania (ins. Labuan).

1806^b. **Gyrostomum scyphuliferum** Nyl. = In Oceania (ins. Labuan, *Sert. Lich. trop. Lab. et Singap.* p. 6).

1844^b. **Cœnogonium confervoides** Nyl. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 21, ubi pro parte definitur).

1852^b. **Byssocaulon filamentosum** Nyl. Addendum est : In America tropica (Guyana).

1857^b. **Lecidea cupularis** Ach. *Syn. Lich.* p. 46, Nyl. etc. Nomen Acharii omissum fuit in n° 1857.

1866^b. **Lecidea lutea** Schær. — *Gyalecta lutea* Nyl. *Sert. Lichen. trop. Lab. et Singap.* pp. 6 et 21, et in posteriore loco sporæ definiuntur. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).

1867^b. **Lecidea (Gyalecta) proboscidina** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 22 in notula, ubi hujus speciei accuratior definitio datur.

1886^b. **Lecidea glabella** Nyl. *Sert. Lichen trop. Lab. et Singap.* p. 37, ubi denuo definitur

1901^b. **Lecidea blepharophora** Nyl. in *Sert. Lichen. trop. Lab. et Singap.* generi *Coccocarpix* adscribitur, atque ab hac *C. blepharophora* forsitan non specie differre *C. azurellam* Nyl. supra n° 1096, dicitur.

1938^b. **Lecidea decoloranda** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 6, ubi definitur; thallus K sublutescit. = In Oceania (ins. Labuan).

1961^b. **Lecidea meiocarpa** Nyl. vix differt a *L. sylvana* Th. Fr. *Lichenogr. scand.* p. 430, Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 35.

2066^b. **L. sabuletorum** Flørke. = Addendum est in Africa (Algeria), nam *L. vernalis* var. *Muscorum* Nyl. *Prodr. Lich. Gall.* p. 107, ubi definitur, *Lich. Algér.* p. 313 et *Enum. Lich.* p. 121, *L. sphaeroides* var. *Muscorum* Schær. *Enum. Lich. europ.* p. 140, synonymon habetur *Lecideæ sabuletorum* Flørke apud Stizenberger *Lecid. sabulet.* p. 29.

2072^b. **Lecidea triseptulans** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 6, ubi definitur. = In Oceania (ins. Labuan).

2091^b. **Lecidea connexula** Nyl. Hæc species in *Lich. Jap.* p. 111 stirpi *L. sphaeroidis* Sommerf. potius tribuitur, sed in *Sert. Lich. trop. Lab. et Singap.* p. 7, ubi etiam definitur, ad stirpem *L. luteolæ* Ach. certe pertinere affirmatur. = In Oceania (ins. Labuan).

2114^b. **Lecidea sophodina** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 21, ubi definitur; thallus K —. = In Asia meridionali (Singapoure).

2193^b. **Lecidea microlepta** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 7, ubi definitur. Forsan *L. chloroticulæ* Nyl. in *Flora* 1877, p. 564, et apud Hue *Addend. Lichenogr. europ.* p. 167, proxima est illa species. = In Oceania (ins. Labuan).

2243^b. **Lecidea parasema** Ach. var. 1 **elæochroma** Nyl. forma **Hartungiana** (Hepp. in herb.) Nyl. in litt. ad Stizenb. et apud Stizenb. *Lichen. African.* p. 164, ubi definitur, et *Lich. ins. Maderæ* p. 10; thallus K flavet et K (CaCl) aurantiacus evadit. = In Africa occidentali (ins. Porto Santo prope Maderam).

2257^b. **Lecidea granulosa** Nyl. Errore scriptum fuit : *L. granulosa* Nyl.

2280^b. **Lecidea Armstrongiæ** Jones. Species quæ in hac stirpe *L. improvisæ* Nyl. *Lich. Scand.* p. 213 remanere debent sunt : 2280 *L. Armstrongiæ* Jones; 2281 *L. denotata* Nyl.; 2282 *L. improvisula* Nyl.; 2283 *L. globulispora* Nyl. et 2284 *L. prænotata* Nyl. cæteræ ad finem *Biatorarum* sub stirpe *Lecideæ fossarum* Duf. sunt referendæ.

2321^b. **Lecidea hebescens** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 41, ubi definitur. Sat similis est hæc species *L. albocærulescenti* Ach., supra n° 2320, proindeque ad stirpem *L. contigux* Fr. referri debet; illius thallus K extus intusque flavet. = In America septentrionali (ditione Tennessee).

2335^b. **Lecidea tennesensis** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 41, ubi definitur; thallus K flavet. = In America septentrionali (ditione Tennessee).

2343^b. **Lecidea plana** Lahm. f. **subsparsula** Nyl. in litt.; *L. plana* f. *subsparsa* Nyl. quod nomen mutatum fuit, quia jam usurpatum fuerat, supra n° 2297.

2400^b. **Lecidea premnea** Ach. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 7, ubi sporæ definiuntur).

2403^b. **Lecidea plurilocularis** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 7, ubi pro parte definitur).

2443^b. **Lecidea insidians** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 41, ubi definitur. Ad stirpem *L. stellulata* Tayl., supra n° 2439, attinet hæc species et illius thallus K flavet. = In America septentrionali (ditione Tennessee).

2449^b. **Lecidea melaxanthiza** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 7, ubi definitur. K erythrinus vel aurantiace erythrinus evadit thallus hujus speciei, quæ affinis est *L. melaxanthellæ* Nyl., supra n° 2448. = In Oceania (ins. Labuan).

2557^b. **Graphis scripta** Ach., Nyl. *Sert. Lichen. trop. Lab. et Singap.* pp. 10 et 23. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).

2563^b. **Graphis tenella** Ach. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 10, ubi sporæ definiuntur).

2572^b. **Graphis assimilis** Nyl. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 3, ubi sporæ definiuntur).

2580^b. **Graphis sophistica** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 10).

2586^b. **Graphis tortuosa** Ach. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 10, ubi sporæ definiuntur).

2587^b. **Graphis analoga** Nyl. Varietatem *subradiatam* Nyl. hujus speciei sistunt *Gr. atrofusca* Muell. et *Gr. polycarpa* Muell., Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42 in notula.

2600^b. **Graphis subrigida** Nyl. — *Lecanactis subrigida* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 24, ubi sporæ definiuntur. = In Asia meridionali (Singapoure).

2613^b. **Graphis Afzelii** Ach., Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 23, ubi sporæ definiuntur, et p. 36. = In Asia orientali (Japonia) et meridionali (Singapoure). — In America septentrionali (ins. Bermudis).

2619^b. **Graphis subelegans** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42, ubi definitur. = In America septentrionali calida (Mexico).

2620^b. **Graphis striatula** Nyl. *Sert. Lichen. trop. Lab. et Singap.* pp. 10 et 23. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).

2631^b. **Graphis diversa** Nyl. — *Lecanactis diversa* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 11, ubi apothecia et sporæ definiuntur. = In Oceania (ins. Labuan).

— F. **glyphidioidea** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 24. = In Asia meridionali (Singapoure).

Lecanactis cohibens Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 24 in notula, ubi definitur. — *Graphis diversa* f. *cohibens* Nyl. = In Asia meridionali (Malacca).

2634^b. **Graphis diversula** Nyl. — *Lecanactis diversula* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 11, ubi apothecia et sporæ definiuntur. = In Oceania (ins. Labuan).

2635^b. **Graphis serpentosa** Nyl. — *Lecanactis serpentosa* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 11, ubi definitur, et p. 24. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).

2639^b. **Graphis flexuosa** Nyl. — *Lecanactis flexuosa* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 12, ubi definitur, et p. 25. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).

- 2640^b. **Graphis heterocarpa** Nyl. — *Lecanactis heterocarpa* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 12, ubi definitur. Ab hac Graphide vix specie differt *Gr. adtuans* Nyl., supra n° 2641. = In Oceania (ins. Labuan).
- 2643^b. **Graphis subinusta** Nyl. — *Lecanactis subinusta* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 11, ubi definitur. = In Oceania (ins. Labuan).
- 2672^b. **Graphis confluens** Nyl. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 24, ubi sporæ definiuntur).
- 2680^b. **Graphis adscribens** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 10, ubi sporæ definiuntur).
- 2686^b. **Graphis Balbisina** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42, ubi definitur. = In America septentrionali calida (Mexico).
- 2693^b. **Graphis peralbida** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42, ubi definitur. Subsimplis dicitur hæc species *Gr. chlorocarpæ* Fée supra n° 2700; thallus K —. = In America septentrionali calida (Mexico).
- 2701^b. **Graphis excellens** Nyl. Ab hac forsân specie non distinguitur *Gr. chlorocarpoïdes* Nyl., supra n° 2702. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 11, ubi definitur).
- 2703^b. **Graphis Chrysenteron** Mont.; *Gr. chrysentera* Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 11, ubi sporæ definiuntur).
- 2729^b. **Graphis Poitæoides** Nyl. ex ins. Cuba, Wright n° 77, thallo K croceo-ferruginascente et sporis iodo non tinctis prædita est, *Sert. Lichen. trop. Lab. et Singap.* p. 42.
- 2757^b. **Graphis tachygrapha** Nyl. — *Fissurina tachygrapha* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 13, ubi sporæ definiuntur. Hæc non specie forsân differt a *Gr. Dumastii* Nyl., supra n° 2755. = In Oceania (ins. Labuan).
- 2758^b. **Graphis lactinella** Nyl. — *Fissurina lactinella* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 13, ubi definitur. = In Oceania (ins. Labuan).
- 2764^b. **Graphis instabilis** Nyl. — *Fissurina instabilis* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 36, ubi definitur. = In Asia orientali (ins. Ogassawara, olim Bonin, prope Japoniam).
- 2771^b. **Graphis egena** Nyl. — *Fissurina egena* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 13, ubi sporæ definiuntur. = In Oceania (ins. Labuan).
- 2772^b. **Graphis cæσιο-hians** Nyl. — *Fissurina cæσιο-hians* Nyl. *Sert. Lichen. Lab. et Singap.* p. 13, ubi definitur. = In Oceania (ins. Labuan).
- 2789^b. **Graphis tricosâ** Nyl. — *Medusula tricosâ* Nyl. *Sert. Lichen. trop. Lab. et Singap.* pp. 13 et 25. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).
- 2807^b. **Lecanactis obfirmata** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 12, ubi definitur. = In Oceania (ins. Labuan).
- *F. incolorata* Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 12, ubi definitur. = In Oceania (ins. Labuan).
- 2840^b. **Opegrapha mesophlebia** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 42, ubi definitur. = In America septentrionali calida (Mexico).
- 2853^b. **Opegrapha assidens** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 8, ubi definitur. = In Oceania (ins. Labuan).
- 2861^b. **Opegrapha adtinens** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 8, ubi definitur. = In Oceania (ins. Labuan).
- 2867^b. **Opegrapha phyllobia** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 22, ubi spermata definiuntur. = In Asia meridionali (Singapoure).
- 2868^b. **Opegrapha prosodea** Ach. = In Oceania (ins. Labuan, Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 8, ubi sporæ definiuntur).

2886^b. **Opegrapha interalbescens** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 8, ubi sporæ definiuntur).

2888^b. **Opegrapha subsimilata** Nyl. *Sert. Lichen trop. Lab. et Singap.* p. 35, ubi definitur. = In Asia orientali (ins. Ogassawara, olim Bonin, prope Japoniam).

2963^b. **Arthonia adspersa** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 9, ubi sporæ definiuntur).

2987^b. **Arthonia varia** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 9, ubi sporæ definiuntur).

2990^b. **Arthonia Antillarum** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 9, ubi sporæ definiuntur).

3040^b. **Arthonia spectabilis** Flot. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 9, ubi sporæ definiuntur).

3061^b. **Arthonia complanata** Fée. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 22, ubi sporæ definiuntur).

3064^b. **Arthonia complanatula** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 9, ubi sporæ definiuntur).

3097^b. **Arthonia extenuescens** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 9, ubi definitur. = In Oceania (ins. Labuan).

3112^b. **Arthonia floridana** Willey *Syn. Arthon.* p. 3 eadem est species ac *A. ochrodiscodes* Nyl., quæ supra sub hoc numero ponitur proindeque prius nomen prioritatem gaudens servandum, posterius autem delendum est; Will. in litt. ad Nyl. mense octobri 1891.

3117^b. **Arthonia biseptella** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 35, ubi definitur. = In Asia orientali (ins. Ogassawara, olim Bonin, prope Japoniam).

3131^b. **Melaspilea gemella** Nyl. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 10, ubi sporæ definiuntur).

3141^b. **Glyphis torquescens** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 13, ubi definitur; thallus K vix lutescit. = In Asia meridionali (Singapoure).

3142^b. **Glyphis heteroclita** Mont. = In Oceania (ins. Labuan, *Sert. Lichen. trop. Lab. et Singap.* p. 14, ubi spermata definiuntur).

3143^b. **Glyphis labuana** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 14, ubi definitur. = In Oceania (ins. Labuan).

3144^b. **Glyphis labyrinthica** Ach., Nyl. *Sert. Lichen. trop. Lab. et Singap.* pp. 14 et 25, et in hoc posteriore loco, sporæ definiuntur. = In Asia meridionali (Singapoure). — In Oceania (ins. Labuan).

3147^b. **Glyphis cicatricosa** Ach., Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 14, ubi sporæ definiuntur, et p. 25. = In Asia meridionali (Malacca et Singapoure). — In Oceania (ins. Labuan).

3149^b. **Glyphis confluens** Mont. = In Oceania (ins. Labuan, Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 14, ubi sporæ definiuntur).

3152^b. **Glyphis circumflexa** Nyl. Errore scriptum fuit : *Gr. circumplexa* Nyl. = In Asia meridionali (Singapoure, *Sert. Lichen. trop. Lab. et Singap.* p. 25, ubi definitur).

3177^b. **Chiodecton seriale** Ach. forma **lineolare** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 10, ubi definitur. = In Asia meridionali (Singapoure).

3178^b. **Chiodecton dendrizans** Nyl. *Sert. Lichen. trop. Lab. et Singap.* p. 23, ubi definitur. Subspecies videtur *Chiodecti serialis* Ach. = In Asia meridionali (Singapoure).

CORRIGENDA

58. Post hunc numerum legitur : n^{us} 58 **Collema coccophylloides** Nyl., et ponendus est n^{us} 59.

76. Post hunc numerum legitur : n^{us} 79 **Collema conglomeratum** Hoffm., et ponendus est n^{us} 77.

288. In ultima linea legitur : *Cl. adpersam*, infra n^o 316, et ponendus est n^{us} 317.

308. Post hunc numerum legitur : n^{us} 390 **Cladonia mitrula** Tuck., et ponendus est n^{us} 309.

335. In pænultima linea legitur : *C. muscigene* Eschw., et ponenda est *C. muscigena* Eschw.

340. Post hunc numerum legitur : n^{us} 343 **Cladonia corallifera** Kunze, et ponendus est n^{us} 341.

405. In tertia linea legitur : jamaicense, et ponendum est : jamaicensi.

442. In pænultima linea legitur : 4 **membranacea** Nyl., et ponenda est F. 3.

519. In sexta linea nⁱ 519 legitur : *Lech. Fr. Behr.*, et ponendum est : *Lich. Fr. Behr.*

653. In pænultima linea delenda est *Parmelia hispidula* Ach., quæ pertinet ad numerum 998.

609 et 664. In prima linea legitur : *Parmelia microcarpa* Pers., et ponenda est *P. macrocarpa* Pers.

781. In tertia linea delenda est *Sticta xanthosticta* Pers., quæ revera ad n^{um} 796 pertinet.

800. In secunda linea legitur : *Lichen limbatus*, et legendum est : *Lichen limbatus* Sm.

998. In ultima linea post hæc verba : Italia et, legendum est : Lusitania. Ille error in voluminibus seorsim impressis tantum invenitur.

1004. In tertia linea delenda est : *Parmelia minor* Fée, quæ recte ponitur in n^o 1001.

1009. In secunda linea legitur : *Pyxine Cocoës* Sw., et ponendus est *Lichen Cocoës* Sw.

1050. In prima linea legitur *Lichen polyrrhizus*, et addendum est : *L. polyrrhizus* L.

1092. Post hunc numerum legitur : n^{us} 1893 **Coccocarpia periptera** Nyl., et ponendus est n^{us} 1093.

1124. Legitur F. **deaurata** Ach., et ponenda est F. **deauratum** Ach.

1154. In septima linea legitur *Lichen obliteratus*, et addendum est : *L. obliteratus* Pers.

1306. Post hunc numerum legitur : n^{us} 1207 **Lecanora homobola** Nyl., et ponendus est n^{us} 1307.

1752. Post hunc numerum legitur n^{us} 1573 **Thelotrema lecanodeum** Nyl. et ponendus est n^{us} 1753.

1807. Legitur **Tremotylum** Nyl. et ponendum est **Tremotylum** Nyl.

2065. Post hunc numerum legitur : n^{us} 2666 **Lecidea sabuletorum** Flørke, et ponendus est n^{us} 2066.

2238. Post hunc numerum legitur : n^os 2339 **Lecidea subaromatica** Nyl., et ponendus est n^os 2239.

2631. In tertia linea delenda est *Arthonia divergens* Fée quæ ad numerum 2803 pertinet.

2803. In prima linea legitur : *Lich. exot.* p. 331, et ponendum est p. 231.

2828. In prima linea legitur : in *Flora* 1864, p. 388, et ponendum est p. 488.

Huic operi jam perfecto quatuor novæ species addendæ sunt, nempe :

3688. **Cladonia sobolescens** Nyl. forsan subspecies *Cl. cariosæ*; huc Coem. *Cl. Belg.* 19. = In America septentrionali (ditione Tennessee, legit Calkins).

3689. **Cladonia pileolata** Nyl. species peculiaris propriæ stirpis, apotheciis testaceis bæomycoideis epiphyllis. = In America septentrionali (ditione Tennessee, legit Calkins).

3690. **Pycnothelia cladinoïdes** Nyl. = In America septentrionali (ditione Tennessee, legit Calkins).

3691. **Lecidea (Gyalecta) cubana** Nyl. = In America tropica (ins. Cuba).

Inde patet 3689 Lichenum species in hoc volumine enumerari, nam numerus 1745 deleri debet sicut dictum fuit sub numero 1804 *b*, et sub numero 3687 nulla ponitur species.

INDEX GENERUM ET SPECIERUM

Omnia Lichenum exoticorum sive generica sive specifica nomina quæ in *Archives du Muséum*, 3^me série,

Vol. II, 1890, pp. 211-322, n^{is} 1-1007,
 Vol. III, 1891, pp. 33-192, n^{is} 1008-3185,
 et vol IV, 1892, pp. 103-156, n^{is} 3186-3691 et 1^b-3178^b,

vel in volumine seorsim impresso enumerata fuerunt, litterarum ordine in hoc indice digeruntur, atque, paginarum ratione ommissa, illis servatur numerus qui eis in hujus operis cursu tributus fuit. Sed notandum est genera vel subgenera litteris majoribus, specierum autem synonyma *cur-sivis* litteris designari. Quoad specifica nomina, quando, genere mutato, in eandem tamen litteram desinunt, semel tantum et sub genere a cel. Nylander electo ponuntur. Illæ autem specierum voces, quæ ex uno genere in aliud translatae aliter cadunt, toties quoties eorum exitus variat, iterantur. Quum in eodem genere idem nomen specificum a cel. Nylander pluries usurpatum est, nomini huic quo species nunc designatur primus numerus adscribitur. Tandem cujusvis speciei formæ seu varietates velut specierum nomina enumerantur.

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